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BENJAMIN CRUZ <speaker@senatorbjcruz.com>

MC Fwd: GWA WORK SESSION 3/20 / MEETING MATERIALS

1 message

BENJAMIN CRUZ <speaker@senatorbjcruz.com>
To: 34th Guam Legislature Clerks <clerks@guamlegislature.org>
Cc: Rennae Meno <rennae@guamlegislature.org>

Tue, Mar 20, 2018 at 4:13 PM

03/20/18	03/20/18	Consolidated Commission on Utilities	GWA Work session March 20, 2018 /Materials.*	34-18-1662

---------- Forwarded message ----------
From: **Bernadette Lou Sablan** <l.sablan@gpagwa.com>
Date: Tue, Mar 20, 2018 at 3:54 PM
Subject: GWA WORK SESSION 3/20 / MEETING MATERIALS
To: "Andy Niven (ndynvn@yahoo.com)" <ndynvn@yahoo.com>, Angelica Perez <aperez@amibrokers.com>, Ann Borja - GWA <annborja@guamwaterworks.org>, "Annmarie Muna (amuna@ambrokers.com)" <amuna@ambrokers.com>, Artemio S Perez <aperez@gpagwa.com>, BENJAMIN CRUZ <speaker@senatorbjcruz.com>, "Cameron Mulka (cimiculka@guampdn.com)" <cimiculka@guampdn.com>, "Charlene Calvo (charlene.calvo@ipehq.com)" <charlene.calvo@ipehq.com>, Chilang F Unpingco <cfejeran@gpagwa.com>, "Fred Horecky (horeckylaw@teleguam.net)" <horeckylaw@teleguam.net>, "Gaynor Delano (gdumat-ol@guam.gannett.com)" <gdumat-ol@guam.gannett.com>, Gilda Mafnas <gildam@guamwaterworks.org>, Governor's Office <joy.unpingco@guam.gov>, "Greg P. Cruz" <gpcruz@guamwaterworks.org>, Heidi Ballendorf <heidi@guamwaterworks.org>, "Jams Y Kim (pacguam@gmail.com)" <pacguam@gmail.com>, "Jeff Johnson (jeffcharjohnson@hotmail.com)" <jeffcharjohnson@hotmail.com>, Jennifer G Sablan <jsablan@gpagwa.com>, "Jessica Peterson (webmaster@theguamguide.com)" <webmaster@theguamguide.com>, "Jessy Gogue (ocp.mayor@gmail.com)" <ocp.mayor@gmail.com>, "Joe John Mantanona (joejohnmantanona@gmail.com)" <joejohnmantanona@gmail.com>, "John O'Connor (john@postguam.com)" <john@postguam.com>, "John Reigel (jriegel@brwncald.com)" <jriegel@brwncald.com>, Joyce N Sayama <jsayama@gpagwa.com>, Karla Tydingco <ktydingco@guamwaterworks.org>, "Louella Losinio (louella@postguam.com)" <louella@postguam.com>, Manny Apuron <mapuron@guamwaterworks.org>, "Maripaz N. Perez" <mnperez@gpagwa.com>, "Michael White (whitema@cdmsmith.com)" <whitema@cdmsmith.com>, "Nestor Licanto (nestor@kuam.com)" <nestor@kuam.com>, "Patricia L. Diego" <pldiego@gpagwa.com>, "PDN Newsroom (news@guampdn.com)" <news@guampdn.com>, "Peter Montinola (peter@isuguam.com)" <peter@isuguam.com>, Selma HG Blas <sblas@gpagwa.com>, "Telena Nelson (senatortcnelson@gmail.com)" <senatortcnelson@gmail.com>, "Therese Terlaje (senatorterlajeguam@gmail.com)" <senatorterlajeguam@gmail.com>

Hi everyone,

Attached is the pdf file for meeting materials for tonight's GWA Work Session.

Best,

Lou

B. Lou Sablan

Board Secretary

Consolidated Commission on Utilities

Admin Asst., Legal Counsel, GPA

GLORIA B. NELSON PUBLIC SERVICE BLDG.

3RD Floor, Executive Division

688 Route 15, Mangilao, GU 96913

P.O. Box 2977, Hagatna, GU 96932

Tel: (671) 648-3002

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Email: l.sablan@gpagwa.com

Website: http://guamccu.org/

http://guampowerauthority.com/home.html

http://guamwaterworks.org/

GLA# 34-18-1662
Speaker Benjamin J.F. Cruz

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1662

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OFFICE OF SPEAKER BENJAMIN J.F. CRUZ

Committee on Appropriations and Adjudication

I Mina'trentai Kuattro na Liheslaturan Guahan

Guam Congress Building | 163 Chalan Santo Papa | Hagatna, GU 96910

T: **(671) 477-2520**/1 | F: **(671) 477-2522** | **www.senatorbjcruz.com**

GWAWS 3.20.18.pdf
7094K

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM WATERWORKS AUTHORITY WORK SESSION

CCU Conference Room
4:30 p.m., March 20, 2018

AGENDA

1. **ISSUES FOR DECISION**
   - 1.1 **Relative to Adoption and Implementation of a Unified Executive Officer Evaluation Policy for the Guam Power Authority and the Guam Waterworks Authority / Resolution No. 21-FY2018 (GPA Resolution No. 2018-08)**
   - 1.2 **Relative to the Approval of Adding the Utility Payroll Clerk Series of Positions to the GWA Certified, Technical and Professional (CTP) List / Resolution No. 22-FY2018**
   - 1.3 **Relative to the Approval of the Amendment of the Assistant General Manager of Administration & Support (Unclassified) Job Classification Standard / Resolution No. 23-FY2018**
   - 1.4 **Relative to the Approval of the Contract with Badger Meters for Additional Purchases of Water Meters / Resolution No. 24-FY2018**
   - 1.5 **Relative to the Approval of the Contract with Total Chemicals and JMI Edison for Additional Purchases of Wastewater Treatment Chemicals / Resolution No. 25-FY2018**
2. **GM REPORT**
3. **ISSUES FOR DISCUSSION**
4. **DIVISION REPORTS**
   - 4.1 **Communications**
   - 4.2 **Compliance & Safety**
   - 4.3 **Customer Service**
   - 4.4 **Engineering**
   - 4.5 **Finance**
   - 4.6 **Operations**
5. **ANNOUNCEMENTS**
   - 5.1 **Next CCU Meetings: GPA Work Session: 3/22/18; CCU Meeting: 3/27/18**
6. **ADJOURNMENT**

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

GWA Resolution No. 21-FY2018 / GPA Resolution No. 2018-08
Relative to Adoption and Implementation of a Unified Executive Officer Evaluation Policy for the Guam Power Authority and the Guam Waterworks Authority

What is the project's objective and is it necessary and urgent?
There is a pressing need to put in place a formal reporting and assessment mechanism for the Executive Officers of each utility.

Where is the location?
Executive Offices

How much will it cost?
No direct costs incurred**.**

When will it be completed?
Implementation date is April 1, 2018.

What is the funding source?
Not applicable

The RFP/BID responses (if applicable):
Not applicable

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 17–FY2018

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Power Authority and the Guam Waterworks Authority; and

WHEREAS, the Guam Power Authority ("GPA") and the Guam Waterworks Authority ("GWA") are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the CCU has directed GPA and GWA to review the existing reporting requirements of the Officers of the Authorities along with the manner and frequency of evaluating the performance of the individual in each position; and

WHEREAS, GPA and GWA drafted a new unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") to memorialize the responsibilities of the CCU and the General Managers with respect to assessing the performance of the executive officer team for each utility with the intent of establishing and documenting the performance goals and objectives for the officer team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed; and

WHEREAS, the CCU has solicited comments from GPA & GWA General Managers and General Counsels regarding the proposed EXECUTIVE OFFICER EVALUATION POLICY; and

WHEREAS, management of GPA and GWA request the CCU to adopt the proposed unified EXECUTIVE OFFICER EVALUATION POLICY.

DRAFT

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") for GPA and GWA is hereby adopted to include the General Managers, Chief Financial Officers and General Counsels of GPA and GWA.
2. This policy shall be effective for the Guam Power Authority, Guam Waterworks Authority and the Consolidated Commission on Utilities on April 1, 2018.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

2

DRAFT

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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EXECUTIVE OFFICER EVALUATION POLICY

Section 1. AUTHORITY

In accordance with 12 GCA §79101, the Consolidated Commission on Utilities (CCU) hereby adopts the following Policy on Personnel Performance Evaluations, to assist in the conduct of its affairs.

Section 2. PREAMBLE

The CCU is tasked under law with the responsibility of recruitment, management and direction of the executive management positions for both the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA), specifically the General Managers, Chief Financial Officers, and General Counsels for the respective utilities.

The CCU desires to proactively and regularly assess the performance of the executive management team for each utility with the intent of establishing and documenting the performance goals and objectives for the management team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed.

The CCU formally defines the roles of the executive management team of each utility as follows:

General Manager - Leads the executive management team and is responsible for the overall performance of the utility with the responsibilities defined in and in accordance with the provisions of the law.

Chief Financial Officer – Works with the General Counsel in support of the General Manager and is responsible for the financial performance of the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

General Counsel – Works with the Chief Financial Officer in support of the General Manager and is responsible for all legal matters for the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

EXHIBIT A

1

To this end, the CCU intends to formalize and document the manner in which personnel performance evaluations are conducted through a formal policy which will clarify the intent of this activity and set the general guidelines by which the activity is to be conducted.

Section 3. STATEMENT OF POLICY

It is the policy of the CCU to conduct individual performance evaluations for each member of the executive management team of both the GPA and GWA at a minimum of once per annum in accordance with the following guidelines.

Section 4. GENERAL GUIDELINES

(a) The CCU shall conduct performance evaluations for the following positions on at least an annual basis:

1. GPA General Manager
2. GPA Chief Financial Officer
3. GPA General Counsel
4. GWA General Manager
5. GWA Chief Financial Officer
6. GWA General Counsel

(b) The Chairperson shall call for the performance evaluation of each of the above employees at a schedule convenient for the Commission.

(c) All Commissioners shall participate in the performance evaluation and provide their input and feedback to the Chairperson.

(d) The CCU shall set the performance criteria to be used in the evaluation and discuss the same with each employee upon hiring or within the first quarter following the date of hire. In the case of employees in the above positions prior to the adoption of this policy, the CCU shall discuss the performance criteria at the first performance evaluation subsequent to adoption of the policy.

(e) The CCU may adopt any forms or formats for the documentation of the performance evaluation, and may, from time to time, revise the forms or formats as needed to meet the intent of this policy.

(f) The CCU shall solicit evaluations from each General Manager, as leader of the executive management team, which shall be made part of the CCU's performance criteria used in each evaluation conducted on the Chief Financial Officer and General Counsel.

(g) The CCU shall meet with each employee listed above individually to discuss the results of the performance evaluation and to set, review and/or revise the performance goals and objectives for the next performance period.

(h) In accordance with Section 3, paragraph (g) of the CCU Code of Ethics, such performance evaluations shall be performed in a closed executive session in accordance with Guam Law.

Section 5. DISSEMINATION

A copy of this policy shall be delivered to each and every new member of the CCU no later than two weeks after such new member takes office.

Section 6. EFFECTIVE DATE

This Policy shall take effect upon approval by and affirmative vote of the majority of the Commissioners of the CCU.

SO APPROVED this _____ day of March, 2018.

_____ _____

JOSEPH T. DUENAS
Chairman

FRANCIS E. SANTOS
Vice-Chairman

_____ _____

J. GEORGE BAMBA
Secretary

SIMON A. SANCHEZ, II
Commissioner

_____

DR. JUDITH P. GUTHERTZ, P.A.
Treasurer

DRAFT

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"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

ISSUES FOR DECISION

Resolution No. 22-FY2018
Relative to the Approval of Adding the Utility Payroll Clerk Series of Positions to the GWA Certified, Technical and Professional List.

What is the project's objective and is it necessary and urgent?
The GWA finds the addition of the Utility Payroll Clerk series of positions will support the Payroll section of the Finance Division. The GWA is currently staffed with a Payroll Supervisor, who currently works through issues relative to manual review of numerous personnel actions which can cause delays in final payout of salary adjustments, transition and migration via the Payroll Section. Recruitment of this position will allow for continuity of service in the payroll section and reduce reliance on a single position for this critical function. The recruitment will expedite processing of personnel actions for payroll purposes with minimal to no delays.

Where is the location?
The Utility Payroll Clerk will be under the direct supervision of the Payroll Supervisor in the Finance Division of the Authority.

When will it be completed?
The addition of the Utility Payroll Clerk series of positions will be completed upon approval by the CCU Board for recruitment purposes.

What is the funding source?
GWA will certify funding for the position available for the filling and retention of its newly added certified, technical and professional position. The funding of this position will be from the operational revenues.

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RESOLUTION NO. 22-FY2018

RELATIVE TO THE APPROVAL OF ADDING THE UTILITY PAYROLL CLERK SERIES OF POSITIONS TO THE GWA CERTIFIED, TECHNICAL AND PROFESSIONAL LIST

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions; and

WHEREAS, Recruitment of this position will allow for continuity of service in the payroll section and reduce reliance on a single position for this critical function. The recruitment will expedite processing of personnel actions for payroll purposes with minimal to no delays.

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The Utility Payroll Clerk series of positions is hereby added to the certified, technical and professional list of positions at GWA. (Attachment A)
3. Approval for GWA to recruit for the position to support the Payroll Section of the Finance Division.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

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ATTACHMENT A

0.430

UTILITY PAYROLL CLERK I

NATURE OF WORK IN THIS CLASS:

This is routine utility clerical work in the preparation of payrolls and the maintenance of payroll records. Work is reviewed through submission of reports.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Sorts and files personnel actions, correspondences, and other materials in the employees' jackets.

Updating and balancing employees leave status manually and in the JD Edwards System. Accrues employees annual and sick leave from employees record card.

Participates in computing special payments manually.

Processing of new employees (by entering their tax method, tax exemption, check route and security business unit.

Prepares timesheets of employees; posts to time and attendance record; checks for completeness and accuracy.

Prepares labor distribution summary.

Maintains payroll records and prepares reports.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of office practices and procedures.

Ability to learn and apply established payroll policies, procedures, and guidelines.

Ability to learn and use a computerized time entry system.

Ability to make arithmetic computations.

Ability to work effectively with the public and employees.

Ability to understand and follow oral and written instructions.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Two years experience as an office clerk;

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $27,390 D2B
maximum: $28,503 D3B

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

0.431

UTILITY PAYROLL CLERK II

NATURE OF WORK IN THIS CLASS:

This is moderately complex utility clerical work involved in the preparation of payrolls and the maintenance of payroll records in the autonomous agencies.

Employees in this class perform complex payroll clerical work independently on an ongoing basis.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Prepares and maintains individual service cards for employees; annotates all necessary information on the service cards such as rates, job code titles, pay ranges, annual and sick leave taken and accrued each pay period.

Process time entry, payroll direct deposits and deductions utilizing the JD Edwards Systems.

Prepares and maintains payroll control master affecting necessary adjustment to employees salaries, deduction and related records.

Process Automatic Clearing House (ACH) transfers.

Processes personnel actions affecting employees' pay such as promotion, demotion, etc., computing retroactive adjustment for payments.

Processes and controls flow of Time of Attendance Time Sheet and other payroll disbursement for processing of payments.

Processes special payments manually for advance pay, lump sum payments, errors in leave processing, etc.

Balance year-to-date on individual earnings.

Controls accuracy, completeness and current status of savings bonds records.

Prepares bi-weekly payroll summary report, payroll analysis every end of payroll period.

May audit all special payments prior to signature of Payroll Supervisor.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the practices and procedures of office management.

Ability to learn existing compensation plan; withholding tax procedures; payroll accounting procedures; laws and regulations giving the legality of payroll actions; policies and procedures in accomplishing payroll work and all types of actions affecting the salaries of a variety of employees.

Ability to learn and use a computerized time entry system.

Ability to make decisions in accordance with appropriate program guidelines.

Ability to make arithmetic computations.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Two years experience as an office clerk and one year in payroll work; or

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $32,336 G2B
maximum: $33,649 G3B

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

UTILITY PAYROLL CLERK III

NATURE OF WORK IN THIS CLASS:

This is complex utility clerical work involved in the preparation of payrolls and the maintenance of payroll records in the autonomous agencies.

Employees in this class perform full range of complex payroll clerical work independently on an ongoing basis.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Establishes employees names on the on-line payroll master.

Prepares and maintains payroll control master affecting necessary adjustments to employees' salaries, deductions and related records.

Process time entry, payroll direct deposits and deductions utilizing the JD Edwards System.

Process online Automatic Clearing House (ACH) transfers.

Processes personnel actions affecting employees' pay such as promotion, demotion, etc., computing retroactive adjustment for payments.

Updates payroll control master at pay period ending; verifies against the manual control master; releases control master for check-write.

Processes special payments manually for advance pay, lump sum payments, errors in leave processing, etc.

Balance year-to-date on individual earnings.

Controls accuracy, completeness and current status of savings bonds records.

Prepares bi-weekly payroll summary report, and payroll analysis every end of payroll period.

May audit all special payments prior to signature of Payroll Supervisor.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the principles and practices of office management.

Ability to learn existing compensation plan; withholding tax procedures; payroll accounting procedures; laws and regulations giving the legality of payroll actions; policies and procedures in accomplishing payroll work and all types of actions affecting the salaries of a variety of employees.

Ability to proficiently use a computerized time entry system.

Ability to make decisions in accordance with appropriate program guidelines.

Ability to make arithmetic computations.

Ability to operate a computer terminal utilizing the payroll process.

Ability to work effectively with the public and employees.

Ability to communicate effectively.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Three years of experience as an office clerk and two (2) year in payroll work and graduation from high school; or

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $37,044 H4A
maximum: $38,549 H5A

JTD

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

ISSUES FOR DECISION

Resolution No. 23-FY2018
Relative to the Approval of the Amendment of the Assistant General Manager of Administration & Support (Unclassified) Job Classification Standard

What is the project's objective and is it necessary and urgent?
To amend the Assistant General Manager of Administration & Support job specification and salary range to support the Agency's daily operations within its Administrative and Support Divisions providing quality customer service to both internal and external customers at the most effective, efficient and cost-effective manner.

The Agency currently employs one Assistant General Manager for Compliance & Safety, while the other divisions of as much importance function without an Assistant General Manager at its helm, thus limiting effective communications direct to the General Manager while at the same time, affecting operations to provide statuses by Superintendents or Managers, who would otherwise be addressing the water and/or wastewater needs of our community.

Where is the location?
The Assistant General Manager of Administration & Support, if approved, will be under the direct supervision and management of the General Manager while overseeing the following divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

When will it be completed?
Public Law 28-112, Section 9 (2) requires GPA and GWA to post a petition on their websites for ten (10) days (not including Saturdays, Sundays and government of Guam holidays). After the 10 days posting, the petition can then be forwarded to the CCU for their disposition at any regularly scheduled meeting. GWA has met the posting requirements.

Additionally, Guam law requires notice of such posting to each newspaper of general circulation and broadcasting station, which airs regular news programs within Guam.

What is the funding source?
GWA will certify funding for the position available for the filling and retention of its certified, technical and professional newly created position. The funding of this position does not have an impact on the General Fund.

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

RESOLUTION NO. 23-FY2018

RELATIVE TO THE APPROVAL OF THE AMENDMENT OF THE ASSISTANT GENERAL MANAGER ADMINISTRATION & SUPPORT (UNCLASSIFIED) JOB CLASSIFICATION STANDARD

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the GWA General Manager requests the CCU to approve the amendment of the Assistant General Manager Administration & Support classification standard (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Assistant General Manager Administration & Support position in the unclassified status; and

WHEREAS, Public Law 28-112 and 4 GCA §6303 (d) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The amendment of the job classification standard for the Assistant General Manager Administration & Support position in the unclassified status is hereby approved and attached herein as Attachment A.
3. The Assistant General Manager Administration & Support position is hereby added to the certified, technical and professional list of positions at GWA.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, **J. George Bamba**, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

ATTACHMENT A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P. O. Box 3010 Hagatña, Guam 96932
Tel: 671.300.6846-48, Fax 671.648.3290

ASSISTANT GENERAL MANAGER OF ADMINISTRATION & SUPPORT (AGMA&S)
(Unclassified)

PROPOSED

MINIMUM QUALIFICATIONS

A. Master's Degree in Business Management, Business Administration, Public Administration or other related field; with major course work in utility infrastructure and operations, organization and customer service, analysis and evaluation, and financial management, plus 6 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, construction or technically related field; **OR**

B. Bachelor's Degree in Business Management, Business Administration, Public Administration or other related field with a minimum of 10 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, customer service, construction or technically related field;

NATURE OF WORK IN THIS CLASS:

- This is complex work involving the planning, organizing, staffing, directing and coordinating of all the Authority's administrative, technical and logistical support services, including customer service, procurement, warehouse and supply, equipment and vehicle fleet, information and data systems, and staffing resources to ensure the success of utility operations, customer care, compliance & safety, and finance & accounting functions.

- The AGMA&S shall report to and is accountable to the Guam Waterworks Authority's General Manager for the provisions of customer service and technical support, fleet and staffing support services to the rest of the Authority in an efficient manner, to enable successful operation of the utility.

- The AGMA&S is also responsible and accountable for managing and organizing efficient business practices in the divisions assigned.

- The AGMA&S shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

- The AGMA&S directs and manages the development of short-term and long-term goals and objectives of GWA and ensures their effective execution and all assigned administrative and support functions are sustainable; and effectively serves the needs of GWA's ratepayers while complying with applicable laws and regulations; and performs related duties as assigned.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned)

- To manage, coordinate, and report on designated administrative and support divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

- The AGMA&S shall plan, organize, staff, and direct the operation of the Authority's administrative and support divisions, including the setting of objectives, standards, training of employees and evaluation of staff and divisional performances.

- The AGMA&S shall assure compliance with the minimum Levels of Service (LOS) established by the Authority in the operation of the administrative and support divisions, and shall work with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, achieve utility wide LOS compliance at the lowest possible cost.

- The AGMA&S shall analyze the administrative and support functions for performance, costs and effectiveness, and develop strategies and recommendations to increase efficiency, reliability, sustainability, compliance and security of these functions, while maintaining the lowest cost possible.

- The AGMA&S shall work with the General Manager in continuing and advancing where feasible and desirable, the interoperation of an integration with military water and wastewater utility systems, in accordance with policy guidelines established by the CCU.
- The AGMA&S shall be responsible for the preparation of annual budget estimate for the administrative and support divisions under his or her supervision.
- The AGMA&S shall be responsible for the preparation of the Authority's Capital Improvement Program. The AGMA&S shall, working with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, support the implementation of approved CIPs in accordance with the Authority's approved Capital Improvements Program.
- The AGMA&S shall also oversee the provision of all customer service and information technology support as required to properly and effectively carry out the operational, administrative and support functions of the Authority.
- The AGMA&S shall be responsible, along with the Procurement Administrator and Warehouse Manager, for the planning, budgeting, procurement, storage and warehousing and proper dissemination/distribution of all materials, equipment, consumables and supplies needed to support all functions and operations of the Authority.
- The AGMA&S shall be responsible for the planning, budgeting, procurement, service, maintenance, assignment and monitoring of all fleet vehicles required to support all operations and functions of the Authority.
- The AGMA&S shall be responsible, along with the Personnel Services Administrator for the hiring, training and administration of all human resources functions and programs in compliance with federal and Guam law.
- The AGMA&S shall provide complete and timely reports on the administrative and support functions to the General Manager and the CCU.
- The AGMA&S may be appointed to serve as Acting General Manager for the Authority from time to time.
- The AGMA&S shall perform such other duties assigned by the General Manager.

MINIMUM KNOWLEDGE, SKILLS AND ABILITY:

- Knowledge of best practices in customer service, information technology support, procurement and supply, equipment fleet and staffing support functions related to facilities and infrastructure systems; procurement rules and regulations; information technology systems and development, deployment and maintenance; human resources practices and procedures, administration, training and development.
- Knowledge of personnel administration, internal and external customer service, office administration and utility organization.
- Knowledge of facilities management and facilities operations support systems for water and wastewater utilities.
- Knowledge of information technology, data processing, and financial management and support hardware and software systems.
- Knowledge of the procurement code, principles, practices, warehousing, inventory and supply chain management for utilities operations and support.
- Knowledge of management techniques, principles, and procedures to assign work, schedule, supervise, train, and evaluate the work of assigned staff.
- Knowledge of the utility's organization and operations and ability to anticipate the consequences of the utility's policies and practices within the economic, social and cultural structure of its service area.
- Ability to analyze and evaluate statistical and financial data, conduct and direct research, and develop alternatives and recommendations.
- Ability to communicate effectively with management and subordinates, both orally and in writing to convey logic and rationale ideas, objectives, consequences.

- Ability to establish and implement effective operational programs and procedures. Establishes priorities for the completion of work in accordance with sound time-management methodology.
- Ability to perform a broad range of managerial responsibilities over others.
- Ability to handle a variety of issues with tact and diplomacy and in confidential manner.
- Ability to induce effective employee performance to maintain high level of morale, performance, training and safety.
- Ability to understand and support water and wastewater systems repair and maintenance programs.
- Ability to recommend and implement changes in policies, procedures, materials and equipment to enhance program effectiveness.

Position Established:	1 February 1997
Amended (1st):	October 2012
Amended (2nd):	November 2016
Amended (3rd):	March 2018

Salary: Alan Searle Compensation Plan; ***COMMENSURATE WITH EXPERIENCE***

Pursuant to 12GCA: Autonomous Agencies, Chapter 14: Guam Waterworks Authority, §14.114, Employment, paragraph (c): "Notwithstanding any other provisions of law, neither the General Manager, Assistant General Managers, Secretary, Treasurer, Comptroller, nor Attorney of the Authority shall be within the classified service of the government of Guam but shall be hired, compensated and employed under the terms and conditions fixed by, and at the pleasure of the Board."

Joseph T. Duenas, Chairman
Consolidated Commission on Utilities

PROPOSED

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 24-FY2018
Relative to Ratification and Approval of Additional Purchases of Water Meters Under Indefinite Quantity Contract with Badger Meter Inc. for Water Meters of Various Sizes and Accessories.

What is the project's objective and is it necessary and urgent?
The objective of this resolution is to support GWA's on-going meter replacement initiative with regard to non-functioning model LP meters. In order to mitigate impact to revenues from the failing LP meter model, GWA initiated efforts to remove and replace the meters based on field performance, i.e., 'no consumption or low consumption' reads. To improve on this effort, GWA has ramped up the replacements and has outpaced the warranty replacement of the faulty meters. GWA continues to work with the manufacturer to expedite warranty replacements, but in order to achieve revenue recovery in the shortest time possible, purchase of additional meters is required to keep the pace of replacement efforts. This request will be used in purchasing water meters to provide a rolling inventory to replace defective meters currently installed island-wide.

We anticipate that there may be a number of meters which we are unable to get to within the warranty period, requiring purchase of replacements with no warranty coverage. In light of our recent efforts to expedite replacements, we have used existing inventory, and therefore, we also require an inventory of meters in various sizes for normal wear and tear replacements, new installations, and meter management purposes. These meters may be needed in the future before the expiration of the current 3-year contract with Badger Meter in early 2019. GWA is requesting approval to purchase up to approximately six thousand six hundred seventy-four meters, in sizes ranging from ¾-inch to 8-inch, at a cost of up to approximately One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65).

In addition, new meters were purchased to improve billing accuracy for customers who have wide variations in demand but could not be deployed because they required a dedicated power source at the customers meter box location. Rather than return these meters at a cost, the Manufacturer offered a deep discount if we kept the meters. GWA saw an opportunity to support production meter replacement in an effort to refine GWA's performance with respect to on-going water audit results since well sites have dedicated power sources. However, this originally un-planned purchase of production meters exceeded previously approved purchase levels, therefore GWA seeks a ratification of this expenditure.

Where is the location?
GWA customers island-wide.

How much will it cost?
The above effort will cost:

1. For rolling inventory of 10,100 of ¾-inch meters to facilitate warranty replacements: One Million Four Hundred Forty-Nine Thousand Eight Hundred Fifty-Five Dollars ($1,449,855.00).
2. For potential future inventory of replacement meters in various sizes up to 8-inches: One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty Five Cents ($1,115,718.65).
3. For ratification of previous purchases above previously authorized amounts: Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32).

This results in a total of Two Million Five Hundred Seventy-Nine Thousand Seven Hundred Ninety-Seven Dollars and Ninety-Seven Cents (**$2,579,797.97**).

PO Purchases

PO No	FY	GL Date	PO Amount	IFB 2015-13
299095	16	2/22/2016	$ 35,205.27	Y
299176	16	3/10/2016	$ 11,659.70	Y
299326	16	3/30/2016	$ 3,001.71	Y
299501	16	5/20/2016	$ 102,727.15	Y
299506	16	5/20/2016	$ 107.30	Y
299508	16	5/20/2016	$ 7,291.20	Y
299769	16	8/12/2016	$ 10,722.58	Y
299861	16	9/1/2016	$ 14,355.00	Y
299963	16	9/26/2016	$ 43,088.30	Y
300089	17	10/24/2016	$ 28,710.00	Y
300312	17	12/14/2016	$ 49,793.35	Y
300343	17	12/20/2016	$ 43,065.00	Y
300515	17	2/7/2017	$ 57,420.00	Y
300583	17	3/8/2017	$ 14,355.00	Y
300610	17	3/23/2017	$ 50,242.50	Y
300836	17	5/24/2017	$ 430,650.00	Y
300861	17	6/1/2017	$ 46,979.70	Y
300941	17	6/16/2017	$ 5,426.10	Y
300942	17	6/16/2017	$ 6,003.42	Y
300943	17	6/16/2017	$ 23,718.24	Y
301561	18	11/20/2017	$ 4,537.40	Y
As of Dec. 27, 2017			**$ 989,058.92**	
301812	18	1/12/2018	$ 14,355.00	Y
301813	18	1/12/2018	$ 10,810.40	Y
			$ 25,165.40	

TOTAL Purchase Orders **$ 1,014,224.32**

Additional Meter Purchases

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	10,100	$143.55	**$1,449,855.00**

Meter Inventory Replenishment

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	6,316	$143.55	$906,661.80
1	121	$226.87	$27,360.52
1 1/2	83	$361.74	$29,843.55
2	48	$540.52	$25,782.80
3	23	$738.12	$16,681.51
4	37	$1,200.92	$44,554.13
6	23	$2,202.86	$51,326.64
8	5	$3,001.71	$13,507.70
Inventory Replenishment Total	**6,654**		**$1,115,718.65**
Total Meter Purchases	**16,754**		**$2,565,573.65**

Summary IFB 2015-13 Badger Water Meters

CCU Ratification	$14,224.32	<Excess of $1M
Additional Meter Purchases	$1,449,855.00	Qty of 10,100 3/4 meters at $ 143.55 each.
Meter Inventory Replenishment	$1,115,718.65	Qty of 6,754 Meter Inventory Replenishment Various Sizes
TOTAL AMOUNT	**$2,579,797.97**	

When will it be completed?
The indefinite quantity contract will be in place for an initial term of 3 years and purchases will be ongoing on an as-needed basis over the life of the contract term. Three (3) year contract ends Feb 23, 2019.

What is the funding source(s)?
Internally Funded Capital Improvement Projects.

The RFP / Bid Responses
IFB 2015-13 Badger Water Meters.

EXHIBIT A



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WHEREAS, in order to support fulfilling Court Order requirements for meter replacement and provide for maintaining an adequate inventory, GWA advertised an Invitation for Bid (IFB) 2015-13 soliciting proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, out of fifteen (15) bidders expressing interest, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty-Seven Five Hundred Forty Dollars and Two Cents ($427,540.02) over a 3-year contract

term, made by Badger Meter Inc. is fair and reasonable and recommended Badger Meter Inc. be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter accepted the notice [EXHIBIT B]; and

WHEREAS, GWA submitted Resolution No. 32-FY2017 which sought approval of purchases up to One Million Dollars ($1,000,000.00) and CCU approved it on May 23, 2017 (EXHIBIT C); and

WHEREAS, GWA Management, in response to emergent functional issues with Badger's Model LP meter, has initiated efforts to replace that model under warranty with a more robust and reliable model, and such efforts have outpaced the receipt of warranty replacements from the manufacturer; and

WHEREAS, GWA Management seeks to continue its increased efforts to replace the Model LP meters to mitigate impacts to, and improve revenues, and will need to purchase additional meters to achieve this goal; and

WHEREAS, during the course of the replacement program, as meters are found to have failed the testing procedure, those meters still under warranty will be credited toward the supplier's invoices; and

WHEREAS, GWA Management seeks CCU Ratification of procurement related to IFB 2015-13 in the total amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) for the purchases in excess of One Million Dollars ($1,000,000.00) (EXHBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional ten thousand one hundred meters (10,100) meters with a unit cost of One Hundred Forty-Three Dollars and Fifty-Five Cents ($143.55) under IFB 2015-13 in the amount of One Million Four

Hundred Forty-Nine Thousand Eight Hundred Fifty-Five Dollars ($1,449,855.00) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional six thousand six hundred seventy-four (6,674) meters of various sizes for meter inventory replenishment in the total amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Two Million Five Hundred Seventy Nine Thousand Seven Hundred Ninety Seven Dollars and Ninety-Seven Cents ($2,579,797.97), which is the sum of purchase orders in excess of One Million Dollars ($1,000,000.00) totaling to Fourteen Thousand Two Hundred Twenty Four Dollars and Thirty Two Cents ($14,224.32) plus additional meters requested at a cost of One Million Four Hundred Forty Nine Thousand Eight Hundred Fifty Five Dollars ($1,449,855.00) plus meter inventory replenishment with an amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of bid proposal submitted by "Badger Meter Inc" are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.
4. All of the procurement herein is in the best interest of the territory of Guam and Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the

amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) (EXHIBIT D), and approves additional meter purchases in the amount of Two Million Five Hundred Sixty-Five Thousand Five Hundred Seventy-Three Dollars and Sixty-Five Cents ($2,565,573.65) (EXHIBIT D).

The CCU authorizes the General Manager to notify the Public Utilities Commission of this procurement as set forth in Section 3 of the PUC Order filed April 11, 2003, as a continuing obligation under the Court Order.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

EXHIBIT A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: Miguel C. Bordallo, P.E., General Manager

CC Vincent Guerrero, SMA

FROM: Evaluation Committee Members

SUBJECT: Recommendation of Award
(Water Meters Various & Accessories)

DATE: January 26, 2016

Invitation for Bid No: GWA 2015-13 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on Sept 25, 2015 and open as scheduled on October 14, 2015 @ 10:00 am. Fifteen (15) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Canton Construction
2. Manhattan Guam Inc.
3. FS
4. Benson Guam
5. JMI Edison
6. Barrat Plumbing
7. Monhar Construction
8. Supreme Group Guam
9. American Int. Supply
10. American Water Works
11. USSI
12. Zenner Performance
13. GPE Ent.
14. Badger Meter Inc
15. Americas Best Electricmart

Of the fifteen (15), two (2) submitted their bid package, namely:

- Badger Meter Inc.
- Americas Best Eletricmart

An evaluation committee was formally assembled and met on October 28, 2015 @ 9:00 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Marc Lopez

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- Karen Grape
- Albert Perez
- Peter Salas

The committee members determined that Badger Meter Inc. submitted the lowest cost however, in-order for Badger Meter to be considered a responsive bidder, as part of the bid requirement, badger Meter Inc. is required to submit a Guam Business License in order to be consider for award.

On November 04, 2015, GWA notified Badger and requested they submit a Guam business license as specified in the bid, on January 07, 2016 Badger Meter complied and submitted a Guam business license, On January 12, 2016 the committee members reconvened and confirmed the requirement have been submitted by Badger and thereby agreed and accepted the bid offer from Badger Meter Inc. In closing, the committee members recommend the award issued to Badger.

Badger Meter Bid Cost:

Item No	Description	Estimated Qty	Unit Cost	Total Cost
1.1	Badger Water Meter RCDL Model 25 LL Disc Meter (NSF 61-G) 5/8" x ¾-3/4 Bore (3/4" x 7 ½")	500 each	$143.66	$71,775.00
1.2	Badger Water Meter 1 Inch RCDL Model 55 LL Disc Meter (NSF 61-G) 1" (1 x 10 ¾")	10 each	$226.87	$2,268.70
1.3	Badger Water Meter 1 ½" Inch RCDL Model 120 LL Disc Meter (NSF 61-G)	10 each	$361.74	$3,617.40
1.4	Badger Water Meter 2" Inch RCDL Model 170 Disc Meter (NDF61-G).	15 each	$540.52	$8,107.80

2

1.5	Badger Water Meter 3" inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$738.12	$3,690.60
1.6	Badger Water Meter 4" inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$1,200.92	$6,004.60
1.7	Badger Water Meter 6" inch. RCDL Turbo Series Meter LL (NSF 61-G).	2 each	$2,202.86	$4,405.72
1.8	Badger Water Meter 8" inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$3,001.71	$3,001.71
1.9	Badger Water Meter 10" inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$4,080.77	$4,080.77
1.10	Badger Water Meter 3" inch. RCDL Compound Series Meter LL (NSF 61-G).	5 each	$1,772.38	$8,861.88
1.11	Badger Water Meter 4" inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$2,789.88	$2,789.88

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1.12	Badger Water Meter 6" Inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$3,953.04	$3,953.04
1.13	External Plate Strainer	1 each	$309.01	$309.01
1.14	3"External Plate Strainer	1 each	$405.65	$405.65
1.15	4" LL Bronze External Plate Strainer	1 each	$545.33	$545.33
1.16	6" LL Bronze External Plate Strainer	1 each	$761.12	$761.12
1.17	External Plate Strainer	1 each	$2,051.31	$2,051.31
1.18	External Plate Strainer	1 each	$4,567.20	$4,567.20
1.19	Assembly Elliptical 1-1/2"	1 each	$144.50	$144.50
1.20	Assembly Elliptical 2" Flange Brass	1 each	$195.50	$195.50
1.21	No Register, Orion ME Note: Add-on for each compound meter purchase	1 each	$107.30	$107.30
1.22	Badger M2000 2"	1 each	$1,863.00	$1,863.00
	Badger M2000 3"	1 each	$1,964.70	$1,964.70
	Badger M2000 4"	1 each	$2,070.90	$2,070.90
	Badger M2000 6"	1 each	$2,330.10	$2,330.10
	Badger M2000 8"	1 each	$2,640.60	$2,640.60

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Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased.
Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Marc Lopez 01-22-2018
Marc Lopez, Associate Engineer

January 22, 2018
Karen Cheryl O. Grape, Management Analyst III, Operations

January 22, 2018
Albert Perez, Inventory Management Officer

Your approval is greatly appreciated.

Peter Salas.
Peter Salas

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

5

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

1-29-18

MIGUEL C. BORDALLO, P.E. GENERAL MANGER

MCB/vg/ecm

6

EXHIBIT A

GWA IFB 2015-13 WATER METERS VARIOUS SIZES AND ACCESSORIES (ALL OR NOTHING)

ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1.1	Badger Water Meter 5/8"X3/4"	500 EACH	$ 143.55	$ 71,775.00
1.2	Badger Water Meter 1"	10 EACH	$ 226.87	$ 2,268.70
1.3	Badger Water Meter 1-1/2"	10 EACH	$ 361.74	$ 3,617.40
1.4	Badger Water Meter 2"	15 EACH	$ 540.52	$ 8,107.80
1.5	Badger Water Meter 3" Turbo	5 EACH	$ 738.12	$ 3,690.60
1.6	Badger Water Meter 4" Turbo	5 EACH	$ 1,200.92	$ 6,004.60
1.7	Badger Water Meter 6" Turbo	2 EACH	$ 2,202.86	$ 4,405.72
1.8	Badger Water Meter 8" Turbo	1 EACH	$ 3,001.71	$ 3,001.71
1.9	Badger Water Meter 10" Turbo	1 EACH	$ 4,080.77	$ 4,080.77
1.10	Badger Water Meter 3" Compound	5 EACH	$ 1,772.38	$ 8,861.90
1.11	Badger Water Meter 4" Compound	1 EACH	$ 2,789.88	$ 2,789.88
1.12	Badger Water Meter 6" Compound	1 EACH	$ 3,953.04	$ 3,953.04
1.13	2" External Plate Strainer	1 EACH	$ 309.01	$ 309.01
1.14	3" External Plate Strainer	1 EACH	$ 405.65	$ 405.65
1.15	4" Bronze External Plate Strainer	1 EACH	$ 545.33	$ 545.33
1.16	6" Bronze External Plate Strainer	1 EACH	$ 761.12	$ 761.12
1.17	8" External Plate Strainer	1 EACH	$ 2,051.31	$ 2,051.31
1.18	10" External Plate Strainer	1 EACH	$ 4,567.20	$ 4,567.20
1.19	Assembly Elliptical 1-1/2"	1 EACH	$ 144.50	$ 144.50
1.20	Assembly Elliptical 2" Flange Brass	1 EACH	$ 195.50	$ 195.50
1.21	No Register Orion ME	1 EACH	$ 107.30	$ 107.30
1.22	Badger M2000 2"	1 EACH	$ 1,863.00	$ 1,863.00
	Badger M2000 3"	1 EACH	$ 1,964.70	$ 1,964.70
	Badger M2000 4"	1 EACH	$ 2,070.90	$ 2,070.90
	Badger M2000 6"	1 EACH	$ 2,330.10	$ 2,330.10
	Badger M2000 8"	1 EACH	$ 2,640.60	$ 2,640.60
		TOTAL COST		$ 142,513.34

AT THREE YEARS =
$427,540.02

EXHIBIT B

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

FEB 2 3 2018

NOTICE TO PROCEED

Ms. Theresa M. Szafranski
4545 W Brown Deer Road
P.O. Box 245036
Milwaukee, Wisconsin 53224-9536

Telephone: 414-355-0400/800-876-3838

Project No: GWA IFB 2015-13
Project Name: Water Meters Various Sizes and Accessories

Dear Theresa,

You are hereby notified to commence work in accordance with the contract dated **5th** day of **February**. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-13 Water Meters Various Sizes and Accessories

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 23rd day of February, 2016.

Contractor: BADGER METER, INC.

Print Name & Title: Theresa M. Szafranski, Assistant Secretary

Signature: Theresa M. Szafranski

EXHIBIT C

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

RESOLUTION NO. 32-FY2017

RELATIVE TO RATIFICATION AND APPROVAL OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH BADGER METER INC. FOR GWA WATER METERS OF VARIOUS SIZES AND ACCESSORIES

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA has advertised by an Invitation for Bid (IFB) 2015-13 soliciting bid proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty Seven Thousand Five Hundred Forty Dollars and Two Cents ($427, 540.02) over a three (3) year contract term, made by Badger Meter Inc. is fair and reasonable, and recommended Badger Meter Inc.be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter Inc. accepted the notice [EXHIBIT B]; and

WHEREAS, GWA Management seeks CCU ratification of procurement related to IFB 2015-13 in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06), for purchases in excess of the General Manager's authorized threshold [EXHIBIT C]; and

WHEREAS, GWA Management seeks CCU approval to purchase additional meters under IFB 2015-13 in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) [EXHIBIT D]; and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Six Hundred Ninety Seven Thousand One Hundred Twenty Dollars and Forty Six Cents ($697,120.46), which is the sum of purchase orders issued totaling Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) plus additional meters requested at a cost of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by "Badger Meter Inc." are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.

4. The Indefinite Quantity procurement used for these purchases is in the best interest of the territory of Guam and the Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) (EXHIBIT C) and approves currently planned purchases in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) (EXHIBIT D) and future planned purchases under the Indefinite Quantity procurement up to a cumulative total of One Million Dollars ($1,000,000.00).
6. The CCU authorizes the General Manager to petition the Public Utilities Commission for approval of the IFB 2015-13 in the event GWA anticipates the procurement will exceed the One Million Dollars ($1,000,000.00) threshold as required by Docket 00-04.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 23rd day of May 2017.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

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I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities, as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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EXHIBIT D

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Encumbered Purchase Orders Relative to IFB 2015-13

PO No	FY	GL Date	PO Amount	IFB 2015-13
299095	16	2/22/2016	$ 35,205.27	Y
299176	16	3/10/2016	$ 11,659.70	Y
299326	16	3/30/2016	$ 3,001.71	Y
299501	16	5/20/2016	$ 102,727.15	Y
299506	16	5/20/2016	$ 107.30	Y
299508	16	5/20/2016	$ 7,291.20	Y
299769	16	8/12/2016	$ 10,722.58	Y
299861	16	9/1/2016	$ 14,355.00	Y
299963	16	9/26/2016	$ 43,088.30	Y
300089	17	10/24/2016	$ 28,710.00	Y
300312	17	12/14/2016	$ 49,793.35	Y
300343	17	12/20/2016	$ 43,065.00	Y
300515	17	2/7/2017	$ 57,420.00	Y
300583	17	3/8/2017	$ 14,355.00	Y
300610	17	3/23/2017	$ 50,242.50	Y
300836	17	5/24/2017	$ 430,650.00	Y
300861	17	6/1/2017	$ 46,979.70	Y
300941	17	6/16/2017	$ 5,426.10	Y
300942	17	6/16/2017	$ 6,003.42	Y
300943	17	6/16/2017	$ 23,718.24	Y
301561	18	11/20/2017	$ 4,537.40	Y
As of Dec. 27, 2017			**$ 989,058.92**	
301812	18	1/12/2018	$ 14,355.00	Y
301813	18	1/12/2018	$ 10,810.40	Y
			$ 25,165.40	
TOTAL Purchase Orders			**$ 1,014,224.32**	

Additional Meter Purchases

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	10,100	$143.55	**$1,449,855.00**

Meter Inventory Replenishment

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	6,316	$143.55	$906,661.80

1	121	$226.87	$27,360.52
1 1/2	83	$361.74	$29,843.55
2	48	$540.52	$25,782.80
3	23	$738.12	$16,681.51
4	37	$1,200.92	$44,554.13
6	23	$2,202.86	$51,326.64
8	5	$3,001.71	$13,507.70
Inventory Replenishment Total	**6,654**		**$1,115,718.65**
Total Meter Purchases	**16,754**		**$2,565,573.65**

Summary IFB 2015-13 Badger Water Meters

CCU Ratification	$14,224.32	<Excess of $1M
Additional Meter Purchases	$1,449,855.00	Qty of 10,100 3/4 meters at $ 143.55 each.
Meter Inventory Replenishment	$1,115,718.65	Qty of 6,754 Meter Inventory Replenishment Various Sizes
TOTAL AMOUNT	**$2,579,797.97**	

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 25-FY2018
Relative to the Approval of the Contract with Total Chemicals and JMI Edison for Additional Purchase of Wastewater Treatment Chemicals

What is the project's objective and is it necessary and urgent?
To maintain a 90-day chemical inventory until the end of the existing three (3) year contract. The resolution seeks approval of funding amounts above the original estimated and approved levels due to an increase in actual demand and usage of the chemicals.

Where is the location?
1. Northern Wastewater Treatment Plant
2. Hagatna Wastewater Treatment Plant and

How much will it cost?

	Vendor	Cost / lb	Annual	3 Years
ACH	Total Chemical	$1.06	$851,739.68	$2,555,219.04
Anionic	Total Chemical	$1.40	$156,468.20	$469,404.60
			$1,008,207.88	**$3,024,623.64**
Cationic	JMI	$1.45	$200,188.45	$600,565.35
			$1,208,396.33	**$3,625,188.99**

*Three (3) Year Contract End Date: January 20, 2019
*CCU Resolution 12-FY2016, Approved December 10, 2015
* PUC GWA Docket 15-11, Review and Approval of Contracts with Total Chemical Resources, Inc and JMI Edison, Approved January 25, 2016.

	Vendor	Expensed as of Feb 2018	January-19	90 Days Cost	Jan 2019 + 90 Days
ACH	Total Chemical	$2,258,593.94	$124,654.55	$184,591.79	$309,246.34
Anionic	Total Chemical	$605,539.20	$60,906.25	$116,578.96	$177,485.21
		$2,864,133.14	**$185,560.79**	**$301,170.75**	**$486,731.55**

When will it be completed?
If approved, the procurement of adequate chemicals for daily operational requirements and related expenses will be extended to the end of the 3-year contract period in January of 2019.

What is the funding source?
Revenue Funds.

The RFP/BID responses (if applicable):
IFB 2015-10 Wastewater Treatment Chemicals

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

RESOLUTION NO. 25-FY2018

RELATIVE TO APPROVAL OF THE CONTRACT WITH TOTAL CHEMICALS AND JMI-EDISON FOR THE ADDITIONAL PURCHASE OF WASTEWATER CHEMICALS FOR WASTEWATER TREATMENT PLANTS

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical 2011 Court Order ("CO") Projects, including construction of system upgrade of the Northern District WWTP to use Chemically Enhanced Primary Treatment as specified in § II A Paragraph 2 of the CO; and

WHEREAS, GWA has completed the system upgrade of the Hagatna WWTP to use Chemical Enhanced Primary Treatment and is now operating it as specified in § II A Paragraph 5 of the CO; and

WHEREAS, the Chemically Enhanced Primary Treatment at the Northern District WWTP and the Hagatna WWTP requires purchase of chemicals for the application of the treatment process; and

WHEREAS, on July 30, 2015 GWA filed a Petition with the Guam Public Utilities Commission ("PUC") for approval to issue a bid for the chemicals for the Northern District and Hagatna wastewater treatment facilities; and GWA Petition was approved by the PUC on August 27, 2015; and

WHEREAS, GWA issued Bid Number 2015-10 to solicit bid proposals from experienced and responsive bidders to provide the chemicals needed to continue to operate the Northern District WWTP and the Hagatna WWTP in compliance with the Court Order; and

WHEREAS, there were two responsive and responsible bidders who offered chemicals meeting requirements in IFB 2015-10 (see Exhibit A); and

WHEREAS, the IFB 2015-10 offers were evaluated by GWA's review committee and GWA's review committee determined that the best offer for Anionic Polymer and Inorganic Coagulant ("ACH") (for sludge dewatering) was made by Total Chemical Resources, Inc; (see Exhibit B); and

WHEREAS, GWA's review committee also determined that the best offer for Cationic Polymer was made by JMI-Edison (See Exhibit C); and

WHEREAS,GWA accepted Total Chemical Resources, Inc.'s bid proposal (see Exhibit D) of $1.40/lb. for Anionic Polymer at an estimated annual cost of One Hundred Fifty Six Thousand Four Hundred Sixty Eight Dollars and Twenty Cents ($156,468.20), and for a three (3) year contract in the amount of Four Hundred Sixty Nine Thousand Four Hundred Four Dollars and Sixty Cents ($469,404.60) and for Inorganic Coagulant (ACH) at $1.06/lb. for an estimated annual cost of Eight Hundred Fifty One Thousand Seven Hundred Thirty Nine Dollars and Sixty-Eight Cents ($851,739.68), for a three (3) year contract in the amount of Two Million Five Hundred Fifty Five Thousand Two Hundred Nineteen Dollars and Forty Cents ($2,555,219.04), with a Grand Total to supply both Anionic Polymer and Inorganic Coagulant (ACH) for the Northern District WWTP and Hagatna WWTP is Three Million Twenty Four Thousand Six Hundred Twenty Three Dollars and Sixty-Four Cents ($3,024,623.64) as specified in IFB 2015-10; and

WHEREAS, GWA accepted JMI-Edison's bid proposal (Exhibit E) of $1.45/lb. for Cationic Polymer for an estimated annual cost of Two Hundred Thousand One Hundred Eighty Eight Dollars and Forty-Five Cents ($200,188.45), and for a three (3) year contract for a total amount of Six Hundred Thousand Five Hundred Sixty Five Dollars and Thirty-Five Cents

($600,565.35) to supply Cationic Polymer for the Northern District WWTP, Hagatna WWTP and Agat-Sta Rita WWTP for three (3) years as specified in GWA IFB 2015-10; and

WHEREAS, CCU approved the three (3) year contract with Total Chemical Resources in the amount of Three Million Twenty-Four Thousand Six Hundred Twenty-Three Dollars and Sixty-Four Cents ($3,024,623.64) for the chemicals Anionic Polymer and Inorganic Coagulant (ACH); and

WHEREAS, CCU approved the three (3) year contract with JMI-Edison in the amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the chemical Cationic Polymer; and

WHEREAS, the total amount expensed as of February 2018 is Two Million Eight Hundred Sixty-Four Thousand One Hundred Thirty-Three Dollars and Fourteen Cents ($2,864,133.14) for Anionic Polymer and Inorganic Coagulant and Three Hundred Sixty-Five Thousand Four Hundred Dollars ($365,400.00) for Cationic Polymer; and

WHEREAS, the amount required to purchase until the end of the contract for Anionic Polymer and Inorganic Coagulant, is One Hundred Eighty-Five Thousand Five Hundred Sixty Dollars and Eighty Cents ($185,560.80); and an additional amount of Three Hundred One Thousand One Hundred Seventy Dollars and Seventy-Five Cents ($301,170.75) for a 90-day chemical inventory which sums up to Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55). The new total amount for the three (3) year contract with Total Chemical will now be ~~Three Million Six Hundred Twenty-Five Thousand One Hundred Eighty-Eight and 08/100~~ Three Million Five Hundred Eleven Thousand Three Hundred Fifty-Five Dollars and Nineteen Cents ($3,511,355.19); and

WHEREAS, the original approved amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the three (3) year contract with JMI is sufficient until the end of the contract period; and

WHEREAS, GWA seeks approval for an additional purchase of wastewater treatment chemicals Anionic Polymer and Inorganic Coagulant (ACH) in the total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55); and

WHEREAS, the source of funding for the additional chemical purchases will be FY2018 and FY2019 Wastewater Operations Budget; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes the management to purchase additional Anionic Polymer in the amount of One Hundred Thousand Seventy-Seven Four Hundred Eighty-Five Dollars and Twenty-One Cents ($177,485.21) and Inorganic Coagulant (ACH) in the amount of Three Hundred Nine Thousand Two Hundred Forty-Six Dollars and Thirty-Four Cents ($309,246.34) with a total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55) with Total Chemical Resources.
3. GWA Management is hereby authorized to seek PUC approval as required by Docket No. 00-04.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
J. GEORGE BAMBA
Secretary

DRAFT

SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

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DRAFT

EXHIBIT A

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-10
Ref: Wastewater Treatment Chemicals

Invitation for Bid No: GWA 2015-10 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on September 24, 2015 and open as scheduled on October 15, 2015 @ 10:00am twenty (20) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Total Chemical Resources, Inc.
2. Canton Construction Corp.
3. DSGDSFG
4. HDR
5. JMI-Edison
6. Island Equipment Co.
7. M.D. Wholesale
8. Bei Hawaii
9. Carus Corp.
10. Monhar Construction.
11. VMB Trading Co.
12. Sai Machinery LLC.
13. Culligan Pacific
14. Student Construction
15. Guam Pacific Enterprise.
16. America's Best Electricmart
17. Gulbrandsen Technologies
18. SS
19. D. Mullis Insurance
20. Polydyne Inc.

Of the twenty (20) only two (2) submitted their bid package namely:

- Total Chemical Resource
- JMI-Edison

An evaluation committee was formally assembled and met on October 22, 2015 @ 11:00am in GPWA conference room 1st floor to review/discuss and evaluate the bid.

1

REF: IFB 2015-10 Wastewater Treatment Chemicals

Committee members consist of:

- Antonio Camacho
- Paul Kemp
- Dan Aguon
- Dave Fletcher

The committee members reviewed the bid proposals and have determined both prospective bidders Total Chemical and JMI-Edison respectfully submitted a reasonable and fair cost and is awarded based on the lowest annual cost as specified in the IFB, as follows:

Total Chemical to be awarded as follows:

Item No. 1: Inorganic Coagulant,
Price per pound delivered CIF: **$1.06**
Product Label Name: **Achieve D1012 ACH Powder**

$1.06 X 803,528. =$851,739.68 (Annual Cost)

Item No. 2: Coagulant Aid (e. g. anionic polymer)
Price per pound delivered CIF: **$1.40**
Product Label Name: Nalclear 7767 Anionic Flocculant

$1.40 x 111,763= $156,468.20 (Annual Cost)

JMI Edison to be awarded as follows:

Item No. 3: Cationic Polymer
Price per pound delivered CIF: **$1.45**
Product Label Name: **Hydrex 6402 Cationic Emulsion Polymers**

$1.45 x 138,061 = $200,188.45 (Annual Cost)

After a thorough evaluation the committee members agreed to and accept the submitted bid offers from both Total Chemical Resources and JMI Edison and have been determined they respectfully complied with all specifications and requirements set forth in this IFB. In closing, the committee members respectfully request your approval to proceed with the award.

Bid Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. **The quantities reflected in the bid are estimated requirements only and not guaranteed minimums.**

2

REF: IFB 2015-10 Wastewater Treatment Chemicals

Delivery:

The vendor will be responsible for all cost and all risks associated with the provision of these goods until delivery is made and the items are formally accepted by GWA. All goods shall be delivered in its manufacturer's original factory sealed containers to Guam Waterworks Authority Northern District Wastewater Treatment Plant and Hagatna Wastewater Treatment Plants. Delivery time is 60 days from the date on the Notice to Proceed.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA and which shall in all cases incorporate the terms of this bid whether stated on the Purchase Order or not, which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is for three (3) years fixed price term with option to renew for additional two (2) one (1) year term, all prices shall be fixed for the initial one (1) year term. All purchases are subject to availability of funds.

Concurred and accepted by the committee members:

Paul Kemp, Assistant General Manager Compliance & Safety

Dan Aguon, Wastewater Plant Superintendent

Dave Fletcher, Operations and Maintenance Manager

Antonio Camacho, Buyer II Procurement

Your approval is greatly appreciated.

Peter Salas

3

REF: IFB 2015-10 Wastewater Treatment Chemicals

Note: Fund Certification form reviewed, signed and approved dated on Sept 10, 2015 GL Account Number: 7003.71802.430 (Estimated cost: $1,534,307.00 - Pending approval of FY 2016 budget.)

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

10/2/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

4

GUAM WATERWORKS AUTHORITY
Guam Waterworks Authority
P.O. Box 3010
Hagatña, Guam, 96932
BID ABSTRACT

IFB GWA 2018-10
FOR: WW TREATMENT CHEM.
OPENING DATE: OCT. 15, 2018
OPENING TIME: 10:00 AM

BIDDERS	ITEM #	VENDOR 1	VENDOR 2	VENDOR 3	VENDOR 4
Name of Bidder	3.0	JMB EDISON	TOTAL CHEMICAL RESOURCES	NO BID SUBMITTAL	NO BID SUBMITTAL
Bid Guarantee [ ] Bidder's Check or Certificate of Deposit $		DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ] Letter of Credit $ _____ [ ] Performance Bond 15%		INORGANIC COAGULANT / ALUMINUM CHLOROHYDRATE	INORGANIC COAGULANT ACH POWDER (ACHIEVE DUED)	INORGANIC COAGULANT /	INORGANIC COAGULANT /
[ ] Surety Bank Current Cert. of Auth. *Power of Attorney*		PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF
[ ] Non-Collusion Affidavit		TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY
[ ] Statement of Qualifications [ ] Samples [ ] Brochures/Literature		$1.45 PER POUND	$ 1.85 PER POUND		
[ ] Affidavit of Disclosure of Major Shareholdings		AS PER GWA REQUIREMENTS	10 DAYS		
[ ] Certification of Non-Employment of Convicted Sexual Offenders		MISSING ON:	MISSING ON:	MISSING ON:	MISSING ON:
[ ] ID Provided		MFG.	MFG.	MFG.	MFG.
REMARKS		ARGENT RESEARCH LABS	BIOCHEMICAL TECHNOLOGY (INDIA)		
Vendor #2 TOTAL CHEMICAL RESOURCES		BRAND:	BRAND:	BRAND:	BRAND:
Bid Guarantee [ ] Bidder's Check or Certificate of Deposit $		SUNNY CHEM 200	ACHIEVE DUED		
[ ] Letter of Credit $ _____ [ ] Performance Bond 15%		PLACE OF ORIGIN: U.S.A.	PLACE OF ORIGIN: ACH BIOCHEMICAL TECHNOLOGY (INDIA)	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ] Surety Bank Current Cert. of Auth. *Power of Attorney*		DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ] Non-Collusion Affidavit		COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)
[ ] Statement of Qualifications [ ] Samples [ ] Brochures/Literature		PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF
[ ] Affidavit of Disclosure of Major Shareholdings		TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY
[ ] Certification of Non-Employment of Convicted Sexual Offenders		$1.39 PER POUND	$1.49 PER POUND	45 DAYS	
[ ] ID Provided		AS PER GWA REQUIREMENTS	45 DAYS		
REMARKS		MISSING ON:	MISSING ON:	MISSING ON:	MISSING ON:
Vendor #3 NO BID SUBMITTAL		MFG.	MFG.	MFG.	MFG.
Bid Guarantee [ ] Bidder's Check or Certificate of Deposit $		BRAND:	BRAND:	BRAND:	BRAND:
[ ] Letter of Credit $ _____ [ ] Performance Bond 15%		PLACE OF ORIGIN: KOREA	PLACE OF ORIGIN:	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ] Surety Bank Current Cert. of Auth. *Power of Attorney*		DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ] Non-Collusion Affidavit		CATIONIC POLYMER	CATIONIC POLYMER	CATIONIC POLYMER	CATIONIC POLYMER
[ ] Statement of Qualifications [ ] Samples [ ] Brochures/Literature		PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF	PRICE PER POUND DELIVERED CIF
[ ] Affidavit of Disclosure of Major Shareholdings		TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY	TIME OF FIRST DELIVERY
[ ] Certification of Non-Employment of Convicted Sexual Offenders		AS PER GWA REQUIREMENTS	$1.25 PER POUND	45 DAYS	
[ ] ID Provided		MISSING ON:	MISSING ON:	MISSING ON:	MISSING ON:
REMARKS		MFG.	MFG.	MFG.	MFG.
Vendor #4 NO BID SUBMITTAL		BRAND:	BRAND:	BRAND:	BRAND:
Bid Guarantee [ ] Bidder's Check or Certificate of Deposit $		PLACE OF ORIGIN: KOREA	PLACE OF ORIGIN:	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ] Letter of Credit $ _____ [ ] Performance Bond 15 %					
[ ] Surety Bank Current Cert. of Auth. *Power of Attorney*					
[ ] Non-Collusion Affidavit					
[ ] Statement of Qualifications [ ] Samples [ ] Brochures/Literature					
[ ] Affidavit of Disclosure of Major Shareholdings					
[ ] Certification of Non-Employment of Convicted Sexual Offenders					
[ ] ID Provided					
REMARKS					

[ ] Lowest Responsive Bidder
[ ] TIE Bid
[ ] Only Bid
[ ] Other Than Lowest Responsive Bidder

Tabulated By: _____ Date: 10/15/18

TOTAL CHEMICAL

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.06 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville Illinois U.S.A

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

10/14/15
Jerry A. Flores Date
Chief Financial Officer
Total Chemical Resources, Inc.

JMI EDISON

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. Inorganic Coagulant,

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. Cationic Polymer Price per pound delivered CIF $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

15

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

PRIORITY

GWA FINANCE & ACCOUNTING OFFICE ADMINISTRATIVE
RECEIVED BY:
SEP 03 2015
BY:

JMC 9/9/15
2:42 pm

REVIEW FORM

This **IFB 2015-10 / Wastewater Treatment Chemicals** will be acquired by means of competitive bid process through GWA Procurement Office. Below are the following divisions who concurred and agree to proceed.

Requested by: _____ Print/sign Date: 09/03/2015

Concurred By:

Supply Management Admin: _____ Print/sign Date: 9/3/15

Review by Budget: GREG CRUZ Print/sign Date: 9.14.15

Pending approval of FY 2016 Budget

7003.71802.430

GUAM WATERWORKS AUTHORITY
BUDGET OFFICE
BUDGET OFFICER

Estimated cost: $ FY16 - 1,534,307.00

DATE 9/10/15 TIME _____

FY 2015 Budget - No Balance
FY 2016 Budget - Approval Pending
Proposed Paid for FY16 Only

EXHIBIT B

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Glen Canovas
Total Chemical Resources Inc.
P.O. Box 20730
Barrigada, Guam 96921
Tel. No: 646-4742
Fax No: 649-0447

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by Total Chemicals Resource for the above described reference in response to its Advertisement for Bids dated September 24, 2015 and you are hereby notified that the bid cost for Item No. 1: Inorganic Coagulant and Item No. 2: Coagulant Aid (Anionic Polymer) has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

You are required to return an acknowledged copy of this Conditional Notice of Award to the Procurement & Supply Administrator.

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB 2015-10 is hereby acknowledged

By: _____ Title: JERRY A. FLORES - C.F.O.
Signature (please print)

Dated this 3rd day of NOVEMBER, 2015.

******* END OF CONDITIONAL NOTICE OF AWARD *******

EXHIBIT C

02:03:20 p.m. 11-03-2015 2 / 3
6716493750 GWA Procurement Supply

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Jeff Pacsto
JMI-Edison
125 North Marine Corps. Dr.
Tamuning, Guam 96913
Tel No: 646-6400
Fax No: 649-4835

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JMI-Edison for the above described reference in response to its Advertisement for Bids dated September 24, 2015 and you are hereby notified that the bid cost for Item No.3 Cationic Polymer has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

/

02:12:19 p.m. 11-03-2015 3 6716493750

6716493750 GWA Procurement Supply 02:04:06 p.m. 11-03-2015 3/3

Ref: IFB 2015-10 Wastewater Chemicals

You are required to return an acknowledged copy of this Conditional Notice of Award to the Procurement & Supply Administrator.

Sincerely,

Mark Miller
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB.2015-10 is hereby acknowledged

By: _____ Title: Operations Manager
Signature (please print)

Dated this 3rd day of November, 2015.

******** END OF CONDITIONAL NOTICE OF AWARD *******

EXHIBIT D

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.08 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A.

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

10/14/15
Jerry A. Flores — Date
Chief Financial Officer
Total Chemical Resources, Inc.

EXHIBIT E

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND
DELIVERED WITH TECHNICAL PROPOSAL)

1. Inorganic Coagulant,

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. Cationic Polymer Price per pound delivered CIF $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

15

GWA Utility Services Division
Monthly Status Report
Month ending March 02, 2018

UTILITY SERVICES DIVISION UNITS & ACTIVITIES:	WEEKLY AVERAGE JAN 2018	JAN 2018 MONTHLY TOTAL	WEEK ENDING: 2/2/2018	WEEK ENDING: 2/9/2018	WEEK ENDING: 2/16/2018	WEEK ENDING: 2/23/2018	WEEK ENDING: 3/2/2018	WEEKLY AVERAGE FEB 2018	FEB 2018 MONTHLY TOTAL
Collections Unit									
I. Number of accounts cut for nonpayment:	44	175	24	84	78	75	52	65	261
II. Number of accounts restored for nonpayment:	32	126	29	66	51	58	54	51	204
III. Number of No water reports responded to:	2	6	0	5	0	4	2	2	9
IV. Number of Secure/Unsecure valve reports responded to:	2	8	5	1	1	1	2	2	8
V. Number of Verify reads responded to:	2	7	0	1	3	0	0	1	4
VI. Number of new pay plans negotiated for **active** accounts :	138	552	163	206	207	192	212	192	768
VII. Number of active pay plans negotiated and ongoing :	1828		1814	1930	2068	2184	2310	1999	
VIII. Number of **inactive** accounts with a payment arrangement:	4		0	0	0	14	14	6	
IX. Number of broken payment plans:	76	303	91	90	69	76	86	82	326
Customer Service Unit									
I. Service Delivery Points:									
a. GBN Public Service Building – Fadian									
i. Total Customers Assisted :	240	961	288	258	241	240	205	246	1232
ii. Total Abandoned Requests :	18	71	25	20	10	11	12	16	78
ii. Average Wait Time:	11 minutes		13 minutes	10 minutes	8 minutes	7 minutes	6 minutes	9 minutes	
iii. Average Service Time:	12 minutes		16 minutes	14 minutes	11 minutes	13 minutes	10 minutes	13 minutes	
iv. Breakdown by request type:									
1. Apply for water	46	182	95	57	46	41	44	57	283
2. Restore water cut for non p	8	31	4	12	15	10	7	10	48
3. Terminate Water	12	46	20	13	18	15	10	15	76
4. Copy of Bill	34	136	32	26	36	46	27	33	167
5. Billing Dispute	63	251	78	46	54	58	59	59	295
6. Billing Dispute follow up	6	23	2	2	1	3	6	3	14
7. General Questions & Othe	34	135	43	53	39	36	25	39	196
8. Report a water leak	3	11	1	5	1	4	2	3	13
9. Report water theft	0	0	0	1	0	0	0	0	1
10. Payment Arrangement	38	150	21	43	15	28	25	26	132

GWA Utility Services Division
Monthly Status Report
Month ending March 02, 2018

UTILITY SERVICES DIVISION UNITS & ACTIVITIES:	WEEKLY AVERAGE JAN 2018	JAN 2018 MONTHLY TOTAL	WEEK ENDING: 2/2/2018	WEEK ENDING: 2/9/2018	WEEK ENDING: 2/16/2018	WEEK ENDING: 2/23/2018	WEEK ENDING: 3/2/2018	WEEKLY AVERAGE FEB 2018	FEB 2018 MONTHLY TOTAL
b. Julale Satellite Office – Hagatna									
i. Total Customers Assisted :	234	937	264	255	270	255	290	267	1334
ii. Total Abandoned Requests :	16	64	25	16	22	16	16	19	95
ii. Average Wait Time:	8 minutes		7 minutes	7 minutes	7 minutes	6 minutes	6 minutes	7 minutes	
iii. Average Service Time:	10 minutes		9 minutes	9 minutes	9 minutes	9 minutes	9 minutes	9 minutes	
iv. Breakdown by request type:									
1. Apply for water	43	170	43	46	37	44	66	47	236
2. Restore water cut for non p	5	18	5	12	13	8	10	10	48
3. Terminate Water	20	78	27	13	23	21	14	20	98
4. Copy of Bill	56	222	57	59	61	53	60	58	290
5. Billing Dispute	53	213	73	69	63	69	71	69	345
6. Billing Dispute follow up	3	12	3	0	3	0	2	2	8
7. General Questions & Othe	30	119	30	24	38	42	43	35	177
8. Report a water leak	2	8	2	2	0	2	0	1	6
9. Report water theft	0	0	0	0	0	0	0	0	0
10. Payment Arrangement	31	122	27	34	37	20	30	30	148
c. Upper Tumon Satellite Office – Upper Tumon									
i. Total Customers Assisted :	307	1226	322	321	315	320	349	325	1627
ii. Total Abandoned Requests :	9	34	15	15	11	6	11	12	58
ii. Average Wait Time:	6 minutes		8 minutes	6 minutes	5 minutes	6 minutes	4 minutes	6 minutes	
iii. Average Service Time:	11 minutes		14 minutes	13 minutes	13 minutes	14 minutes	14 minutes	14 minutes	
iv. Breakdown by request type:									
1. Apply for water	64	255	81	70	73	80	75	76	379
2. Restore water cut for non p	12	46	12	14	15	13	8	12	62
3. Terminate Water	23	93	36	24	18	24	27	26	129
4. Copy of Bill	63	253	36	51	65	41	60	51	253
5. Billing Dispute	70	280	77	76	69	84	83	78	389
6. Billing Dispute follow up	4	15	5	6	2	4	8	5	25
7. General Questions & Othe	30	118	33	30	34	32	44	35	173
8. Report a water leak	4	14	3	2	4	3	4	3	16
9. Report water theft	0	0	0	0	0	0	0	0	0
10. Payment Arrangement	38	152	38	51	38	40	42	42	209

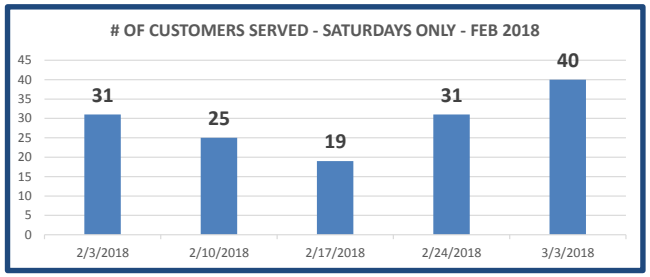
GWA Utility Services Division
Monthly Status Report
Month ending March 02, 2018

UTILITY SERVICES DIVISION UNITS & ACTIVITIES:	WEEKLY AVERAGE JAN 2018	JAN 2018 MONTHLY TOTAL	WEEK ENDING: 2/2/2018	WEEK ENDING: 2/9/2018	WEEK ENDING: 2/16/2018	WEEK ENDING: 2/23/2018	WEEK ENDING: 3/2/2018	WEEKLY AVERAGE FEB 2018	FEB 2018 MONTHLY TOTAL
II. Customer Call Center									
a. Calls Recieved :	1248	4990	1398	1271	1389	1209	1236	1301	6503
b. Calls Immediately Answered :	759	3036	717	705	759	764	788	747	3733
c. Calls Abandoned	45	181	49	48	49	43	47	47	236
d. Calls Handled by Voice mail:	467	1866	631	518	579	399	398	505	2525
e. Average duration of calls answered:	4 minutes		6 minutes	6 minutes	6 minutes	6 minutes	5 minutes	6 minutes	
III. Customer Emails:									
a. Emails Recieved :									
i. customers@guamwaterworks.org	45	178	41	40	46	40	41	42	208
Breakdown by request type (email):									
1. Apply for water	2	9	4	0	0	1	3	2	8
2. Terminate Water	1	5	2	1	1	1	2	1	7
3. Copy of Bill	3	10	1	2	5	0	1	2	9
4. Billing Dispute & follow up	8	33	5	12	8	11	6	8	42
5. General Questions & Other	18	72	18	16	19	19	16	18	88
6. Report a water leak	4	14	3	3	1	6	3	3	16
7. Report water theft	0	0	0	0	0	0	1	0	1
8. Online services inquiry	9	35	8	6	12	2	9	7	37
ii. realtors@guamwaterworks.org	0	0	0	0	0	0	0	0	0
b. Emails Replied (both):	30	118	29	22	51	35	21	32	158

IV. Saturday Services: 9AM TO 1PM ONLY		2/3/2018	2/10/2018	2/17/2018	2/24/2018	3/3/2018	AVERAGE
	31	31	25	19	31	40	29
a. VISITS: Breakdown by request type:							
1. Apply for water	4	8	5	4	6	7	6
2. Restore water cut for non payment	1	2	0	0	0	1	1
3. Terminate Water	2	1	0	1	0	0	0
4. Copy of Bill	9	2	8	0	4	14	6
5. Billing Dispute	6	8	5	7	6	7	7
6. Billing Dispute follow up	0	1	0	0	0	0	0
7. General Questions & Other	3	4	4	2	4	5	4
8. Report a water leak	0	0	1	0	0	0	0
9. Report water theft	0	0	0	0	0	0	0
10. Payment Arrangement	5	5	2	5	11	6	6

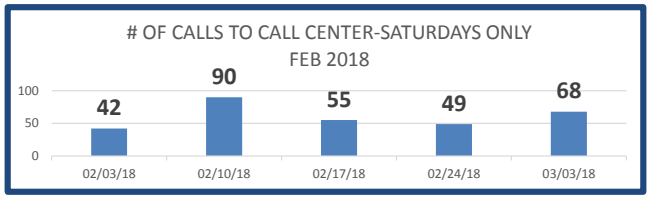
GWA Utility Services Division
Monthly Status Report
Month ending March 02, 2018

UTILITY SERVICES DIVISION UNITS & ACTIVITIES:	WEEKLY AVERAGE JAN 2018	JAN 2018 MONTHLY TOTAL	WEEK ENDING: 2/2/2018	WEEK ENDING: 2/9/2018	WEEK ENDING: 2/16/2018	WEEK ENDING: 2/23/2018	WEEK ENDING: 3/2/2018	WEEKLY AVERAGE FEB 2018	FEB 2018 MONTHLY TOTAL



b. CALLS TO CALL CENTER (Saturday services only):

02/03/18	02/10/18	02/17/18	02/24/18	03/03/18
42	90	55	49	68



Dispute Resolution & Document Control

			02/02/18	02/09/18	02/16/18	02/23/18	03/02/18		
I. Dispute Resolution:									
a. Number of disputed accounts resolved:	9	34	5	6	8	7	7	7	33
b. Number of disputed accounts under review:	179	716	179	179	179	179	179	179	895
II. Document Control:									
a. Number of field activities posted :	386	1542	369	364	426	426	433	404	2018
b. Number of field activities pending:	501	2003	675	668	574	609	616	628	3142

Disconnect/Reconnect Unit

I. Number of field activities received:	242	966	350	298	264	214	345	294	1471
II. Number of field activities completed:	256	1022	358	310	264	243	336	302	1511
III.Number of field activities pending field action:	3	10	4	3	2	0	3	2	12

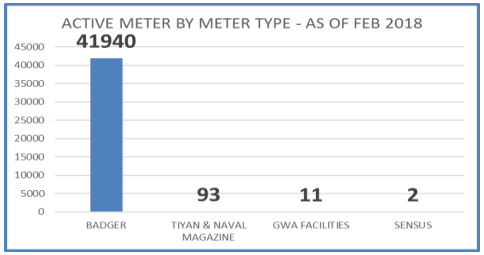
GWA Utility Services Division
Monthly Status Report
Month ending March 02, 2018

UTILITY SERVICES DIVISION UNITS & ACTIVITIES:	WEEKLY AVERAGE JAN 2018	JAN 2018 MONTHLY TOTAL	WEEK ENDING: 2/2/2018	WEEK ENDING: 2/9/2018	WEEK ENDING: 2/16/2018	WEEK ENDING: 2/23/2018	WEEK ENDING: 3/2/2018	WEEKLY AVERAGE FEB 2018	FEB 2018 MONTHLY TOTAL
Meter Reading Unit									
I. Number of meters read:			02/02/18	02/09/18	02/16/18	02/23/18	03/02/18		
a. Electronically Read Meters:	9488	37950	8471	8434	11739	11569	10230	10089	50443
b. Manually Read Meters:	31	125	45	35	37	39	58	43	214
II. Unread meters (Meters scheduled to be read but not read):	58	232	58	21	50	46	77	50	252
III. Number of data logs received:	30	121	27	33	46	44	38	38	188
IV. Number of data logs retrieved:	35	141	41	18	32	42	31	33	164
V. Number of data logs pending field action:	10	40	0	15	29	24	11	16	79
VI. Communication Errors/Reprogramming requests received (from CSU):	2	6	2	2	5	2	1	2	12
VII. Number of estimated readings (for the week):	44	177	43	18	40	18	66	37	185
a. Reasons for Estimations:									
i. Cant locate meter:	1	3	0	2	1	1	4	2	8
ii. Temporary Obstruction	1	5	0	1	1	0	1	1	3
iii. Vicious Dog	2	7	1	0	1	1	0	1	3
iv. Flooded meter	1	4	0	1	1	2	2	1	6
v. Corrective action requested (database corrections needed)	5	21	0	5	6	1	1	3	13
vi. Possible changed out meter:	12	47	51	6	10	28	11	21	106
vii. Communication/Programming error (code 92's):	4	15	9	7	7	6	11	8	40
viii. Other:	4	17	3	8	3	10	11	7	35
ix. Leaks detected on customer's private line:	1171	4684	1046	1072	1395	1343	1246	1220	6102
x. Reverse Flow Detected	31	122	29	86	26	44	50	47	235
xi. No Usages Detected	281	1124	314	216	374	354	367	325	1625
xii. Tamper Code	12	49	13	14	17	14	13	14	71
VII. Electronic Read Percentage: (for the week):	99%		98%	98%	98%	98%	98%	98%	
Revenue Protection Unit									
I. Number of Inactive Still Consuming Reports rec'd & investigated:	1	5	2	1	0	1	1	1	5
II.Number of Illegal Connection reports rec'd & investigated:	2	6	1	0	1	0	1	1	3

III. Meter Replacement Project – Post 2010 Metron Farnier & Sensus Status Report (as of Feb 28 2018):

METER TYPE	COUNT
SENSUS	2
METRON FARNIER	0
	2

a. Account & Meter Type Count :



GUAM WATERWORKS AUTHORITY

Engineering Monthly Report
March 2018

Prepared By:
Thomas Cruz, P.E. Chief Engineer

Table of Contents

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F	GIS Section	16
G	Permits Section	17
H	SRF Project Status Report	18

A. Summary Table of 2010, 2013 and 2016 Bond

Potable Water

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	$ 500,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	$ -	N/A	N/A	$ 100,000.00	100.00%	0.00%	$ -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	$ 518,143.96	100.00%	0.00%	$ 400,000.00	100.00%	0.00%	$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	$ 500,000.00	100.00%	0.00%	$ 1,861,000.00	99.49%	0.51%	$ 4,139,000.00	0.00%	100.00%
PW 05-07	Meter Replacement Program	$ 10,300,000.00	99.84%	0.16%	$ 999,000.00	99.75%	0.25%	$ 4,501,000.00	3.33%	96.67%
PW 05-08	Barrigada Tank Repair/Replacement	$ 5,450,000.00	99.92%	0.08%	$ 4,987,000.00	99.32%	0.68%	$ 1,013,000.00	0.00%	100.00%
PW 05-09	Leak Detection	$ 200,000.00	100.06%	-0.06%	$ 20,000.00	96.25%	3.75%	$ 1,180,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	$ 200,000.00	100.00%	0.00%	$ 624,000.00	100.00%	0.00%	$ 2,276,000.00	20.93%	79.07%
PW 05-11	Implement Ground Water Rule	$ 1,700,000.00	100.00%	0.00%	$ 1,000,000.00	100.00%	0.00%	$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	$ 1,700,000.00	18.03%	81.97%	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	$ 548,000.00	100.00%	0.00%	$ 200,000.00	100.00%	0.00%	$ 250,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Dow n Hard	$ 638,252.85	76.11%	23.89%	$ 810,000.00	0.00%	100.00%	$ 1,190,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	$ 900,000.00	37.87%	62.13%	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-16	Master Meters	$ 1,600,000.00	99.44%	0.56%	$ 784,000.00	99.88%	0.12%	$ 3,616,000.00	4.19%	95.81%
PW 09-01	Ugum Water Treatment Plant Intake	$ 700,000.00	99.47%	0.53%	$ 982,000.00	100.00%	0.00%	$ 18,000.00	0.00%	100.00%
PW 09-02	Water Wells	$ -	N/A	N/A	$ 4,200,000.00	46.77%	53.23%	$ 2,500,000.00	13.60%	86.40%
PW 09-03	Water Distribution System	$ 3,174,748.00	100.00%	0.00%	$ 11,151,000.00	87.97%	4.85%	$ 49,000.00	0.00%	100.00%
PW 09-04	Pressure Zone Realignment	$ -	N/A	N/A	$ 431,000.00	99.95%	0.05%	$ 1,141,000.00	58.58%	37.04%
PW 09-06	Central Water Distribution System 2005	$ 900,000.00	91.67%	8.33%	$ -	N/A	N/A	$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	$ 1,200,000.00	100.00%	0.00%	$ 430,000.00	99.60%	0.40%	$ 100,000.00	0.00%	100.00%
PW 09-09	Water Reservoir Internal/External	$ 2,000,000.00	73.20%	24.53%	$ -	N/A	N/A	$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	$ -	N/A	N/A	$ -	N/A	N/A	$ 800,000.00	0.00%	100.00%
PW 09-11	Water System Reservoirs 2005 Improvements	$ 1,050,000.00	100.00%	0.00%	$ 13,878,000.00	99.99%	0.01%	$ 28,350,000.00	36.77%	54.41%
PW 11-01	Distribution System Upgrades	$ 474,159.85	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	$ -	N/A	N/A	$ 90,000.00	0.00%	100.00%	$ -	N/A	N/A
PW 12-01	Water Audit Program & Water Loss Control Plan	$ 100,000.00	78.46%	21.54%	$ -	N/A	N/A	$ 1,000,000.00	0.00%	100.00%
PW 12-02	Production Plan / Reduce Navy Purchases	$ 100,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	$ 500,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	$ 4,700,000.00	100.00%	0.00%	$ 3,280,000.00	40.52%	59.48%	$ 1,220,000.00	40.98%	59.02%
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	$ 1,900,000.00	95.16%	4.84%	$ 11,605,000.00	99.99%	0.01%	$ 1,895,000.00	96.15%	3.85%
PW 12-06	Tank Replacement Piti & Hyundai	$ -	N/A	N/A	$ -	N/A	N/A	$ 7,409,830.00	98.52%	1.48%
PW 12-07	Assessment of Malojloj Elevated & Yigo Elevated	$ 200,000.00	100.00%	0.00%	$ 485,117.00	100.00%	0.00%	$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	$ 100,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	$ 50,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	$ -	N/A	N/A	$ -	N/A	N/A	$ 2,000,000.00	0.00%	100.00%
		$ 41,903,304.66			$ 58,317,117.00			$ 64,647,830.00		

Wastewater

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
WW 05-04	Wastew ater System Planning	$ 1,500,000.00	100.00%	0.00%	$ 651,000.00	100.00%	0.00%	$ 349,000.00	89.68%	9.15%
WW 05-05	Wastew ater Vehicles	$ 235,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	$ 250,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 09-01	Lift station upgrades	$ -	N/A	N/A	$ 946,000.00	84.08%	0.06%	$ 2,404,000.00	12.21%	66.99%
WW 09-06	Wastew ater Collection System Repl/ Rehabilitation	$ 1,105,000.00	99.93%	0.07%	$ 780,000.00	97.55%	2.45%	$ 2,920,000.00	0.00%	92.30%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	$ 1,250,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	$ 899,630.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	$ 1,301,947.00	24.27%	11.57%	$ 3,114,883.00	99.97%	0.03%	$ 29,400,170.00	99.31%	0.69%
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	$ 900,000.00	100.00%	0.00%	$ 473,000.00	100.00%	0.00%	$ 527,000.00	47.44%	52.56%
WW 11-08	Agat/Santa Rita STP Replacement	$ 2,218,000.00	99.91%	0.09%	$ 67,200,000.00	99.43%	0.57%	$ 3,000,000.00	48.72%	51.28%
WW 12-01	Northern District WWTP Primary Treatment Upgrade	$ 11,750,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	$ 200,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	$ 11,500,000.00	100.00%	0.00%	$ 673,000.00	100.00%	0.00%	$ 827,000.00	0.00%	90.22%
WW 12-04	I&I SSES Southern	$ 800,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-05	I&I SSES Central	$ 850,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-06	I&I SSES Northern	$ -	N/A	N/A	$ -	N/A	N/A	$ -	N/A	N/A
WW 12 -07	Umatac Merizo Replacement	$ 250,000.00	100.00%	0.00%	$ -	N/A	N/A	$ 20,800,000.00	99.26%	0.74%
WW 12-08	Wastew ater System GIS & Mapping	$ -	N/A	N/A	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-09	Wastew ater Facility Back Up Pow er	$ -	N/A	N/A	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-10	Wastew ater System Asset Inventory	$ -	N/A	N/A	$ -	N/A	N/A	$ -	N/A	N/A
WW 17-01	Wastew ater Sew er System Expansion									
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	$ 1,000,000.00	0.00%	100.00%						
		$ 36,009,577.00			$ 73,837,883.00			$ 60,227,170.00		

Electrical Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
EE 05-02	SCADA Pilot Project	$ 61,950.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	$ -	N/A	N/A	$ 620,000.00	16.13%	83.87%	$ 100,000.00	0.00%	100.00%
EE 09-02	Electrical Upgrade - Water Wells	$ 354,226.63	100.00%	0.00%	$ 1,500,000.00	100.00%	0.00%	$ 650,000.00	76.92%	23.08%
EE 09-03	Electrical Upgrade - Water Booster	$ -	N/A	N/A	$ 2,000.00	0.00%	100.00%	$ 323,000.00	0.00%	100.00%
EE 09-04	Electrical Upgrade - Water Booster	$ -	N/A	N/A	$ 200,000.00	0.49%	99.51%	$ -	N/A	N/A
EE 09-05	Electrical Upgrade - Other Water	$ -	N/A	N/A	$ 150,000.00	40.47%	59.53%	$ -	N/A	N/A
EE 09-06	SCADA Improvements - Phase I	$ 250,000.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	$ 1,056,986.00	100.00%	0.00%	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-08	SCADA Improvements - Phase 3	$ 24,955.71	100.00%	0.00%	$ 923,000.00	99.93%	0.07%	$ 1,177,000.00	61.46%	38.54%
EE 09-09	SCADA Improvements - Phase 4	$ -	N/A	N/A	$ -	N/A	N/A	$ 6,500,000.00	0.00%	93.08%
		$ 1,748,118.34			$ 3,395,000.00			$ 8,750,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	$ -	N/A	N/A	$ 1,173,000.00	100.00%	0.00%	$ 1,127,000.00	100.00%	0.00%
MC 05-02	Land Survey	$ 500,000.00	99.94%	0.06%	$ 2,000.00	0.00%	100.00%	$ 1,998,000.00	63.09%	36.91%
MC 09-01	General Plant Improvements	$ 7,241,000.00	99.58%	0.42%	$ 2,600,000.00	84.10%	15.90%	$ 2,769,460.00	53.83%	37.19%
MC 15-01	Information Technology Intergration Improvements							$ 500,000.00	40.70%	59.30%
		$ 7,741,000.00			$ 3,775,000.00			$ 6,394,460.00		

	2010 Bond Allotment	2013 Bond Allotment	2016 Bond Allotment
CIP Water	$ 41,903,304.66	$ 58,317,117.00	$ 64,647,830.00
CIP Wastewater	$ 36,009,577.00	$ 73,837,883.00	$ 60,227,170.00
CIP Electrical	$ 1,748,118.34	$ 3,395,000.00	$ 8,750,000.00
CIP Miscellaneous	$ 7,741,000.00	$ 3,775,000.00	$ 6,394,460.00
	$ 87,402,000.00	$ 139,325,000.00	$ 140,019,460.00

Bond Fund	Construction Fund Amount ($M)	Estimated # of months fund available for use		Total Funds encumbered to date ($M)	% of fund used	Rate of Spending: ($M) per year
2005	$82.930	82	*	$82.930	100.00%	12.14
2010	$87.402	86	**	$83.354	95.37%	11.63
2013	$139.325	49	**	$131.064	94.07%	32.10
2015	$140.019	19		$79.548	56.81%	50.24
	* - End date November 2013 via CCU Resolution 06-FY2014					
	** - Includes month of February 2018					

B. Projects Procurement

Percentage Key:

100%	Approved by GM
99%	Signature required from either Accounting/Legal/GM
98%	Processing engineering service or construction contract (with legal)
95%	Request for CCU approval (GM/engineering)
90%	A/E fee negotiation or contractor bid evaluation (engineering)
80%	Selected A/E or Conducted bid opening (engineering)
70%	Advertised RFP/IFB (engineering)
60%	RFP/IFB Package under legal review
50%	RFP/IFB Package completed (engineering)
Less than 50%	Project Scope of work development in progress

- Red text anywhere indicates a change from the last report.

BOX KEY FOR PROCUREMENT:

(Type of Procurement) (Relevant CIP NO. or Funding Source)	**(Project Title)**	
(Percentage complete for procurement)	**Activities/Notes:** (see percentage key above)	**Consultant** (listed when selected)
Project Description	Summary of project description	

BID PACKAGE PW 09-02	**New Well Construction**	
<50% Complete	**Activities/Notes:** GWA engineering continuing discussion with Dept. of Agriculture and lessee on options of acquisition of property for well site at AG-12. Internal GWA discussions underway for survey and appraisal services as well as continuing services form Designer.	
Project Description:	The project is to construct three new production wells for GWA as well as installation of a water main to connect the new production wells to the Ysengsong Reservoirs.	

RFP PW 09-02	**New Well Construction (Construction Management)**	
<50% Complete	**Activities/Notes:** SOW being developed	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of up to three (3) new production wells for GWA. GWA plans to increase source water production to improve system redundancy that allows for operating the water production wells more effectively. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

BID PACKAGE PW 14-01	**Fire Hydrant Replacement Phase I**	
<50% Complete	**Activities/Notes:** Bid package being prepared.	
Project Description:	The work performed under this project consist of replacing all know dry barrel fire hydrants down to the lateral as well as any defective wet barrel fire hydrant. Where necessary the gate valve for the fire hydrant may also be replaced.	

RFP WW 09-01	**Yigo SPS Flood Protection and Rehabilitation Design**	
90% Complete	**Activities/Notes:** GWA in negotiation with AECOM on SOW and fee proposal.	
Project Description:	The work performed under this project procurement shall consist of a design services to implement storm water mitigation measures to protect the facility during extreme weather as well as rehabilitate the facility to provide better redundancy and operate efficiently.	

RFP PW 09-11	**Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management**	
99% Complete	**Activities/Notes:** Contract with finance for fund certification then will be sent to GM for execution.	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

BID PACKAGE PW 09-03, PW 09-04 AND PW 09-11	**Northern Tank Phase I (Santa Rosa) Construction**	
<50% Complete	**Activities/Notes:** GWA will issue only a bid for Santa Rosa Tank and off-site improvements first.	
Project Description:	The work performed under this project procurement shall consist of Construction of a 1MG Santa Rosa reservoir and booster pump station. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

BID PACKAGE EE 09-08, EE 09-09	**SCADA Phase A1 Construction**	
70% Complete	**Activities/Notes:** IFB advertised 1/30/18, Pre-bid conference completed. Bid opening 3/28/18.	
Project Description:	The work performed under this project procurement shall consist of	

	Construction of SCADA ready instrumentation at several water and waste water facilities throughout he island.

RFP EE 09-08, EE 09-09	**SCADA Phase A1 Construction Management**	
75% Complete	**Activities/Notes:** Proposals received and being reviewed by evaluation team.	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of all SCADA ready instrumentation at the various facilities through Guam. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

RFP PW 09-04, PW 09-11	**Design Services for the Project Pressure Zone Realignment and Tank Repair/Replacement**	
80% Complete	**Activities/Notes:** Evaluation team completed review of proposal and recommendation letter submitted to GM for approval.	
Project Description:	The work performed under this project procurement shall consist of design services for the remaining GWA reservoirs that required major repairs or replacement. The design will also address the required pressure zone realignment throughout the island so as to improve the distribution system functionality. .	

BOX KEY FOR PROJECT:

(Type of Project) (Relevant CIP NO.)	**(Project Title) (Contractor or consultant)**	**Start Date:** (month and year)
(Percentage complete for project)	**Activities/Notes:** (brief description of activity)	**Completion Date:** (month and year)
(Court Order Paragraph No.)	(Project type)	
Project Description	Project Description Narrative	

C. CIP Water Section

INSPECTION CIP PW 05-02	**Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA)**	**Start Date:** April 2010
80% Complete	**Activities/Notes:** Still waiting for Quotes for tank bypass/take down for Umatac #1 and Pigua. Working on plan for Kaiser, Windward and Agat #1 take down. WBP2 Controls working property now which allows Agat Umatac Tank to be taken down.	**Completion Date:** Anticipate December 2021
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

DESIGN CIP PW 05-12	**Brigade II BPS Upgrade (EM Chen)**	**Start Date:** April 2012
100% complete (Basis of Design) 40% (Design)	**Activities/Notes:** Designer working on 60% design submittal.	**Completion Date:** Due to property acquisition issues GWA anticipate May 2018
N/A	Engineering design services	
Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to me system head requirements.	

DESIGN CIP PW 12-05	**Yigo and Astumbo 2MG Tank Design Project (Lyons)**	**Start Date:** September 2013
99% complete	**Activities/Notes:** Design firm to provide RFI support during the construction.	**Completion Date:** January 2016
CO 9 (b)(4)	Engineering design services	
Project Description:	Develop the construction documents for two (2) 2.0 million-gallon (MG) nominal capacity concrete reservoirs in the Yigo service zones and one (1) 2.0 MG reservoir in the Astumbo service area. The design services will consist of preparation of plans, specifications, and estimates	

	(PS&E), including Basis of Design, design calculations, construction schedule, topographical survey, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD (latest version), and relevant permits. Other services will include construction bid support service, meetings, and response to request for interpretation/information during construction. The consultant is required to incorporate and modify existing GWA concrete reservoir specifications to meet the project objective.

DESIGN PW 09-11	**Northern and Southern Guam Reservoir Design** **(TG Engineers)**	**Start Date:** May 2015
60% Complete	**Activities/Notes:** Santa Rosa – 100% design in hand. Santa Rita – 100% design in hand. Inarajan – Land procurement second site related to new BPS's still on-going. Sinifa – 100% design in hand. Ugum – GWA still in discussion with re-evaluation and discussion with property owner of alternative property on-going.	**Completion Date:** Update: Due to property acquisitions issues for Piti and Tumon #1, design completion 6 months after property issue resolved.
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.	

DESIGN PW 12-04	**Central Guam Reservoirs Design** **(GHD Inc.)**	**Start Date:** May 2015
65% Complete	**Activities/Notes:** Chaot #2 – Chaot off-site work part of base bid. Contract with finance for fund cert. Chaot Tank work expected to be Change Order in once funding available. Tumon #2 – Tumon tank part of base bid. Contract with finance for fund cert. Hyundai – Hyundai tank part of base bid. Contract with Finance for fund cert. Piti – GWA still evaluating alternative solutions to storage needs in Piti area. Manenggon – Geotech work complete. 60% design near complete. Tumon #1 – GWA working on land issues.	**Completion Date:** Update: Due to property acquisitions issues for Piti and Tumon #1, design completion 6 months after property issue resolved.
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design	

	calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti and Tumon #1.

CONSTRUCTION PW 09-03	**Line Replacement Phase IV (Giant Construction)**	**Start Date:** 02/14/16
80% Complete	**Activities/Notes:** Contractor completing work in Santa Rita (Santa Rosa Subd.). Continuing pipe installation at Asumption, Piti. Due to ROW/easement issue along Famha Rd, portion of installation work to be defer.	**Completion Date:** 12/30/18 per Change Order.
	Construction Services	
Project Description:	The project is intended for a contractor to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains and ten known locations throughout the island and there is a component within the bid where line replacement work for unknown locations is accounted for.	

DESIGN PW 05-15	**Asan Spring Rehabilitation Design (HDR)**	**Start Date:** August 24, 2016
40% Complete	**Activities/Notes:** Designer working on 60% design submittal.	**Completion Date:** Due to delays from the Park Services related to property access the anticipated completion of the design is May 2018.
	Engineering design services	
Project Description:	- Perform site visits and condition assessment for site conditions to determine demolition and rehabilitation requirement, process equipment condition, structural condition, and electrical system. Site condition assessment shall include all disciplines to execute the project. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - Coordinate with Guam Historic Resources Division State Historic Preservation Office (SHPO) on historical resources study. Prepare all necessary reports and documents as required by SHPO. - Coordinate with Guam Department of Agriculture, Division of Aquatic and Wildlife Resources (DAWR) on vegetation clearance. Prepare all	

	necessary reports and documents required by DAWR. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - Perform a Class 4 engineering cost estimate according to the American Association of Cost Engineers (AACE) International Cost Estimate Classification System for construction fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction.

CONSTRUCTION PW 09-11, PW 12-05	**Yigo/Astumbo Tank Construction (Pernix)**	**Start Date:** 12/1/16
65% Complete	**Activities/Notes:** Yigo #1 pretension cable and shotcrete concrete complete. Yigo #2 core wall on-going. Astumbo #1 core wall work on-going.	**Completion Date:** 07/31/18
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

CONSTRUCTION MANAGEMENT PW 09-11, PW 12-05	**Yigo/Astumbo Tank Construction Management (GHD)**	**Start Date:** December 2016
65% complete	**Activities/Notes:** Processing submittals and on-site inspection	**Completion Date:** July 2018
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the demolition of existing steel elevate and ground tanks as well as the construction of the 2MG concrete tanks at the Yigo tank location and Astumbo tank location. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION MANAGEMENT PW 12-04-11, PW 12-06 AND PW 09-11	**Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)**	**Start Date:** December 2017
0% complete	**Activities/Notes:** Establishing project communications protocol, initiating project schedule review.	**Completion Date:** February 2019
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan)	

	and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.

CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11	**Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)**	**Start Date:** 02/8/18
5% Complete	**Activities/Notes:** Contractor mobilizing.	**Completion Date:** 02/31/19
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

D. CIP Wastewater Section

DESIGN WW 11-08	**Agat-Santa Rita WWTP Replacement (DCA)**	**Start Date:** October 2014
99% Complete	**Activities/Notes:** Change Order to extend design services during construction executed.	**Completion Date:** Nov. 2015 (design); June 2018 (construction)
CO 11	Engineering design services	
Project Description:	The engineering design consultant is required to design a new wastewater treatment facility that will meet secondary treatment limits. The new facilities will incorporate provisions for redundancy to improve reliability and facilitate operations and maintenance activities at the existing facility	

INSPECTION 2010 BOND WW 12-05 2010 BOND WW 05-04 2013 BOND WW 05-04	**SSES Central Sewer System (HDR)**	**Start Date:** November 2014
99% Complete	**Activities/Notes:** GWA still awaiting final report from HDR.	**Completion Date:** January 2018
CO 8 (c)	Engineering Inspection Services	
Project Description:	Work specifically required includes data analysis, development of hydraulic modeling, and development of an SSES fieldwork plan, manhole inspections, smoke testing, CCTV inspection and preparation of a Project Report.	

CONSTRUCTION MANAGEMENT WW 11-08	**Agat Santa Rita WWTP CM (GHD)**	**Start Date:** November 2014
100% (PH 1) 100% Complete (PH 2, Part 1) 80% Complete (PH 2, Part B)	**Activities/Notes:** Typical CM inspections on-going. Change order required to continue services through April 2018.	**Completion Date:** December 2017, projected through April 2018
CO 11	Construction Management services	

Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of the Agat Santa Rita WWTP Phase II project. GWA plans to replace the existing wastewater treatment plant for a new plant that can meets permit limits. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.

CONSTRUCTION WW 11-08	**Agat Santa Rita WWTP Phase II (Sumitomo Construction)**	**Start Date:** January 2016
Part 1 of Phase II- 100% Complete Part 2 of Phase II- 85% complete	**Activities/Notes:** Contractor still working on headworks, aerobic digester, equalization basin, admin and maintenance buildings.	**Completion Date:** Phase A: 03/15/17 Phase B: 12/31/17 will not be met, April 2018 projected
CO 11	Construction services	
Project Description:	This project includes construction of the head works, clarifier, oxidation ditches and UV disinfection and administration facilities. Rehabilitation work at the existing WWTP will also occur to ensure the wastewater can be pumped to the new plant. The new plant will also tie into the Tipalao SPS.	

DESIGN WW 09-08, WW11-03	**Baza Gardens Cross Island Sewer Design (DCA)**	**Start Date:** 02/05/16
99% Complete	**Activities/Notes:** DCA providing engineering services during construction.	**Completion Date:** 04/30/18(this completion date will have to be extended.)
CO 11	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification for a sewer conveyance from the Baza Garden WWTP to the new Agat Santa-Rite WWTP. The design will take into account growth in the Baza Gardens/Talofofo areas as wells as new connection along the Route 17 route.	

DESIGN WW 09-06	**Bayside SPS Improvements Design (EMPSCO)**	**Start Date:** July 29, 2016
99% Complete	**Activities/Notes:** Due to change in design Army Corp of Engineers permit viewed as not necessary. GWA received 100% design and under review. GWA working on Change order to address snail and archeological report that was not part of original scope.	**Completion Date:** Due to issue with ACOE anticipate December 2017 for design only.
	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges.	

CONSTRUCTION WW 09-08, WW 11-03	**Baza Gardens Cross Island Road Sewer Conveyance Construction Phase I (BME and Sons)**	**Start Date:** October 2016
65% Complete	**Activities/Notes:** New SPS, force main and gravity line installation along Route 17 on-going.	**Completion Date:** Phase I: 03/01/18 (this completion date will have to be extended.)
	Construction services	
Project Description:	The work performed under this project consist of construction of 14,714' of gravity main, 2,767' of force main and sewer pump station #3 next to the Aplacho River in Santa Rita.	

CONSTRUCTION MANAGEMENT WW 09-08 WW 11-03	**Baza Gardens Cross Island Road Sewer Conveyance (Construction Management) (SSFM)**	**Start Date:** December 5, 2016
55% Complete	**Activities/Notes:** Field inspection, project coordination and invoice review on-gong.	**Completion Date:** April 2018 (this completion date will have to be extended.)
	Construction Management services	
Project Description:	The work performed under this project shall consist of Construction Management and Inspection Services for the construction of gravity main, force mains and sewer pump station as well as an equalization basin at the Baza Garden WWTP.	

CONSTRUCTION WW 09-08, WW 11-03	**Baza Gardens Cross Island Road Sewer Conveyance Construction Phase II (BME and Sons)**	**Start Date:** March 2017
65% Complete	**Activities/Notes:** New SPS, force main and gravity line installation along Route 17 on-going.	**Completion Date:** Phase II: 03/16/18 (this completion date will have to be extended.)
	Construction services	
Project Description:	The work performed under this project consist of construction of 1,767' of gravity main, 14,400' of force mains and sewer pump station #2 along Route 17.	

CONSTRUCTION WW 09-08, WW 11-03	**Baza Gardens Cross Island Road Sewer Conveyance Construction Phase III (Sumitomo Construction)**	**Start Date:** June 2017
25% Complete	**Activities/Notes:** Contractor continuing pipeline and SPS construction work on Route 17 along with work at wet well at Baza Gardens WWTP.	**Completion Date:** Phase III: 03/16/18 (this completion date will have to be extended.)
	Construction services	

Project Description:	The work performed under this project consist of construction of, but not limited to, 10,481' of force mains and sewer pump station at existing WWTP, equalization tanks, stand-by generator, improved headworks, grit removal system, and associated equipment.

CONSTRUCTION WW 11-04	**Umatac Merizo WWTP Design Build Improvements Project (CoreTech)**	**Start Date:** June 2017
15% Complete	**Activities/Notes:** Site work commenced on 3/8. BMPs and temporary facilities are being installed, covered by the contractor's Clearing & Grubbing permit. Earthwork to clear and grub began 3/19/18.	**Completion Date:** December 31, 2018
	Construction services	
Project Description:	The project is intended to improve the aeration basin, construct a new sewer pump station, regrade the overland field, construct a new effluent storage tank and disinfection facility. The overland percolation basin will undergo regarding work to ensure appropriate distribution of effluent through the whole basin.	

CONSTRUCTION MANAGEMENT WW 11-04	**Umatac Merizo WWTP Design Build Improvements Project (SSFM Inc)**	**Start Date:** September 7, 2017
15%	**Activities/Notes:** Continuing on-site inspection of field activities.	**Completion Date:** December 31, 2018
	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the improvements works at the aeration basin, new sewer pump station, overland field improvements, effluent storage tank. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

E. CIP Engineering Support

DESIGN EE 09-08	**SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)**	**Start Date:** June 2015
100% complete	**Activities/Notes:** Final design in hand. AECOM to provide assistance during bidding process.	**Completion Date:** November 2017 - Design January 2019 - (Bid and Construction Support)
N/A	Engineering design services	
Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and	

	wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.

CONSTRUCTION MC 05-01	**New GWA Lab Construction (Mega United Construction)**	**Start Date:** NTP issued August 18, 2016
99% Complete	**Activities/Notes:** Punch list items and permanent communication installation remaining. Facility is being used by lab personnel.	**Completion Date:** Early March 2018.
	Construction services	
Project Description:	The project will involve construction of a new building at the GWA Upper Tumon compound to house the laboratory section. The facility will include office, laboratory and storage space for the lab employees. The facility will also include a back-up generator.	

F. GIS Section

MAPPING MC 05-02	**Island Wide Survey-** **(Duenas, Camacho & Ass.)**	**Start Date:** December 2007
94% complete	**Activities/Notes:** Task #12 map submitted to DLM for final approval. Task #13 awaiting GM approval for NTP. Task #14 work on-going.	**Completion Date:** New anticipated complete is April 2018.
	Survey services	
Project Description:	The contracted land surveyor is required to conduct title research, property valuation and mapping of property boundaries where GWA facilities are located but the lot is not registered under GWA's name.	

MAPPING MC 05-02	**Island Wide Survey PH II -** **(Duenas, Camacho & Ass.)**	**Start Date:** August 30, 2017
35% complete	**Activities/Notes:** Surveyor continuing field work for 15 additional parcels.	**Completion Date:** December 2018
	Survey services	
Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM	

G. Permits Section

PERMITS
MONTHLY REPORT 2017

	2018						
Description	Jan	Feb	Mar				
Building Permit	11	9	1				
Occupancy Permit	3	10	18				
New Installation	14	8	7				
Sewer Application	15	14	7				
Sewer Inspection	0	1	3				
Private Utility Acceptance	0	0	0				
Relocation of Water Meter	0	0	0				
Tapping-Water	1	1	0				
Tapping-Sewer	0	1	0				
Clearance-Water	3	2	7				
Clearance-Sewer	3	2	7				
Highway Encroachment	0	4	41				
Verification of Utilities	4	4	5				
Fire Flow Test	0	0	1				
Schedule Water Outage	0	1	0				

H. SRF Project Status Report

- Projects listed below that are noted to be in the procurement phase will follow the "Percentage Key" below.

Percentage Key:

100%	Approved by GM
99%	Signature required from either Accounting/Legal/GM
98%	Processing engineering service or construction contract (with legal)
95%	Request for CCU approval (GM/engineering)
90%	A/E fee negotiation or contractor bid evaluation (engineering)
80%	Selected A/E or Conducted bid opening (engineering)
70%	Advertised RFP/IFB (engineering)
60%	RFP/IFB Package under legal review
50%	RFP/IFB Package completed (engineering)
Less than 50%	Project Scope of work development in progress

- Red text anywhere indicates a change from the last report.
- Cells highlighted in green indicate contract amount certified and project active.

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 03/16/18
1	Northern District SSES & I/I Study	Sanitary sewer system evaluation study (SSES) and inflow and infiltration (I/I) study designed to evaluate high I/I areas within the Northern sewer basin with the goal of identifying projects to eliminate them.	J. Davis	Design	1	10/10/2014	2/29/2016	$ 792,979.97	Stanley	100% Complete.
				Construction				*The project does not involve construction.*		
				Const. Mgmt						
2	Southern SSES Rehabilitation (Agat-Santa Rita-Umatac-Merizo)	Rehabilitation of segments of sewer lines in Umatac, Merizo, Agat, and Santa Rita where the Sanitary Sewer Evaluation Study recommends rehabilitation.	Brown & Caldwell	Design				*The design was previously completed under bond funding.*		
				Construction	1	10/30/2015	2/28/2017	$ 1,170,583.82	Reliable Builders	RBI started working on warranty repairs on 03/05/18; first location on Fanile Street. GWA still holding the performance bond.
				Const. Mgmt	1	11/10/2015	3/30/2017	$ 226,980.23	TG Engineers	Final invoice for CM submitted to GWA for payment - from 2611 grant.
3	Asan-Adelup-Hagatna RT1 Sewer Line Rehabilitation and Replacement	Rehabilitation of sewer lines from the War in the Pacific Asan Park to the Governor's Complex in Adelup. This line is asbestos concrete that is dilapidated and some areas have disintegrated crowns.	Brown & Caldwell	Design	2	12/11/2015	3/30/2017 for Design requirements	$ 1,780,210.00	HDR	Route 1 rebid: HDR revised plans/specs and bid schedule; delivered 3/14. PM delivered plan/specs to GWA 3/15; PM revising front end docs with GWA staff.
				Construction		10/16/2016	6/30/2019			Procurement 75%. GWA to advertise rebid for thrid time by 04/15/18.
				Const. Mgmt		6/30/2017	6/30/2019			Procurement 90%. CM scope and fee proposal received 6/23 ($698K); PM meet with DCA to discuss rebid package prepared to determine if any impacts to scope and fee submitted.
4	RT2 Agat War in the Pacific Sewer Line Rehabilitation and Replacement	Rehabilitation of a large segment of sewer line fronting the War in the Pacific Park in Agat that has collapsed.	Brown & Caldwell	Design	3	11/17/2015	3/30/2017 for Design requirements	$ 316,681.00	SSFM	SSFM providing services during bidding process as well as construction phase.
				Construction	6	8/31/2017	10/1/2018	$ 4,554,451.00		- Prefabricated manholes being constructed in staging yard. 3rd section of concrete lifted out of forms on 3/8. - Schedule provided at 3/6 meeting indicates that PPBC will start installing manholes by 4/17.Final submittals needed prior to excavation, such as final dewatering plan, trenching support plan, power pole support shop drawings, etc. - Contractor received building permit on 1/2, and received Highway Encroachment Permit on 1/24. - Dewatering plan has received GEPA approval.
				Const. Mgmt	8	9/19/2017	10/1/2018	$ 584,725.00		CM reviewing and commenting on submittals.

5	Brown & Caldwell Project Management	Brown & Caldwell to provide program management services and support.	T. Cruz	Design	4	3/24/2015	2/28/2019	$ 1,819,850.00	B&C	Project underway.
				Construction				*The project does not involve construction.*		
				Const. Mgmt						
6	Wastewater, Water and Source Water System Master Plan Upgrade	Update of the existing water and wastewater master plan while factoring in military integration and secondary treatment plant options.	Brown & Caldwell	Design	5	7/6/2015	01/30/2018 (revised due to financial workshop)	$ 2,623,300.00	B&C	· Held review meetings with CCU/PUC. · MP will be updated based on CCU comments to financial plan and submitted to CCU on March 20th. Public meetings to be held in April. BC assisted with creation of newsletter to be sent to customers with March billing.
				Construction				*The project does not involve construction.*		
				Const. Mgmt						
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Rehabilitation of existing deep wells and/or in cases where pipe column needs replacing, wells will be re-drilled. The deep wells to be rehabilitated are A-2, A-7, A-12, D-5, & F-3.	Brown & Caldwell	Design	6	5/27/2016	2/28/2018 (for design only)	$ 1,758,247.00	AECOM	· AECOM plans to submit final design package to BC by 3/16/18. A-12: Design rate of 200 gpm (45.5 ft drawdown). D-05: Design rate of 125 gpm (39 ft drawdown). A-02: Design rate of 250 gpm (34.6 ft drawdown). F-03: Design rate of 200 gpm (1.5 ft drawdown).
				Construction		9/30/2018	9/30/2019			SRF grant funds specific to project pending FY18 grant approvals and award.
				Const. Mgmt		9/30/2018	9/30/2019			· Draft CM scope submitted to GWA.
8	Tumon Sewer Hot Spots	Investigation, evaluation, and repair of possible solutions, to long plaguing issues where sewer overflows are known to occur in Tumon San Vitores.	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	$ 572,089.00	TG Engineers	· TGE submitted 100% design documents. Contract package to be sent to GWA 3/20; Editing front end docs based on changes from Rt 4.
				Construction		3/23/2017	3/22/2018			
				Const. Mgmt		3/23/2017	3/22/2018			

9	Critical Sewer Pump Stations (7 stations)	Rehabilitation of various components of 7 pump stations that were identified to by the CDM design team: Macheche, Ypaopao, Astumbo 1, Fujita, Santa Ana, Southern Link, and Route 1.	CDM	Design				*The design will be incorporated into the design/build package.*		
			J. Davis	Design/Build	1	8/8/2016	3/30/2018	$ 1,531,456.33	ProPacific	-Route 16 Pump Stations- Structural Evaluation done. Waiting for the report from the Structural Engineer. Additional cost and time extension is anticipated. Change Order #4 executed. - Fujita Pump Station- Request for additional painting (Additive) and Macheche PS- Wet well coating below water surface eliminated. (Deductive) - Santa Ana PS- Installation of break-away fittings for the new submersible pumps . Additional cost and time extension is anticipated - Route 16 PS & Fujita PS - Monorail and Hoist Support Load Testing Change Order Proposal: - Southern Link Pump Station - Provision of Roll up door. Contractor to provide cost.
				Const. Mgmt	2	9/9/2016	3/30/2018	$ 299,519.00	Stanley	CM work ongoing. GWA working on Change Order proposal to extend contract to match constructions activities.
10	Sewer Pump Station High Water Alarm Systems (20 stations)	This project will design and installed telemetry equipment/SCADA type alarms that will alert when pump station failure occurs.	C. Yam	Design				*The design will be incorporated into the design/build package.*		
				Design	8	8/12/2016	02/30/2017	$ 183,171.00	AECOM	Design complete
				Construction	5	4/5/2017	9/30/2017	$ 1,444,888.00	Pacific Rim	Project complete
				Const. Mgmt	3	02/30/2017	9/30/2017	$ 195,269.00	EMSPCO	CM work complete
11	Sewer Pump Station Backup Power (2 stations)	Construction of the housing and installation of new generators for the Casimero pump station (Mongmong) and the Namo pump station (Yona central).	B. Cruz	Design				*The design will be incorporated into the design/build package.*		
				Design/Build	2	6/24/2016	9/30/2017	$ 362,692.53	ProPacific	Design Build project complete.
				Const. Mgmt				*B. Cruz is the construction manager.*		
12	RT4 Relief Sewer Line Rehabilitation and Replacement	Rehabilitation of sewer lines that are located from Agana McDonalds to Marine Drive that have been known to overflow due to structural issues.	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	$ 794,000.00	AECOM	· AECOM to provided services during bidding process.
				Construction		6/30/2018	09/31/2019			Procurement 70%, AECOM revised bid schedule to be a multi-award contract with two schedules; delivered to GWA on 2/23. Editing front end docs, and finalizing 3/16.
				Const. Mgmt		4/23/2017	12/31/2018	$ 647,000.00		Procurement 90%, EMPSCO original CM fee ($647K); revised fee is $647K + $157K if two contractors.

13	Groundwater Wells Rehabilitation (D-3, D-17, D-18, D-22, M-9)	Rehabilitation of existing deep wells and/or in cases where pipe column needs replacing will be re-drilled. D-3, D-17, D-18, D-22, and M-9.	Brown & Caldwell	Design				*The design was previously completed under bond funding.*		
				Construction	2	8/19/2016	3/30/2018	$ 6,120,353.44	Pacific Rim	· New nozzles (10 ppd) installed at D-17/18/22. · Working to solve the level sensor issues, troubleshooting D-17 and D-22. · PRC/EA working on determining VFD needed for D-18. M-09 pump/motor to be reinstalled 3/16. Training for VFDs to be scheduled soon; waiting on agenda from rep. · Well operating permits for D-17/18/22 received; Occupancy permit received.
				Const. Mgmt	4	3/22/2016	3/30/2018	$ 943,361.24	EA	· Working through CO#4 for CM.
14	Southern SSES Sewer Rehabilitation (Baza Gardens-Talofofo)	Rehabilitation of segments of sewer lines in Windward Hills, Talofofo area where the Sanitary Sewer Evaluation Study recommends rehabilitation.	Brown & Caldwell	Design				*The design was previously completed under bond funding.*		
				Construction	3	8/2/2016	7/2/2017	$ 1,189,815.00	ProPacific	- Contractor on notice since 12/01/2017 (via formal GWA letter) that continuing delays are unacceptable and grounds for potential default. Contractor asked for special meeting on 3/9 to discuss PPBC's pump station proposal. PPBC continually bypass pumping through the wetland area, due to collapses of CIPP liner. Contractor attempting to remove debris in line MH5678 – MH5679. Also needs to work on additional CIPP defects in line MH5680 – MH5681. Baza Gardens area: On 2/8, Todo Mauleg was on site to conduct CCTV and reinstate laterals for MH4213-MH4214 and others.
				Const. Mgmt	5	7/29/2016	5/28/2017	$ 347,945.93	EMPSCO	· PM to work on Change Order to extend contract and amount.
15	Tamuning Sewer Hot Spots	Sewer rehabilitation for lines at Winner Apartments, Segund Leon Guerrero, and behind Guam Premium Outlets.	Brown & Caldwell	Design	10	9/9/2016	10/31/2017 (for design only)	$ 663,629.00	TG Engineers	· TGE submitted 100% design documents. Contract package to be sent to GWA 3/20; Editing front end docs based on changes from Rt 4.
				Construction		4/29/2017	4/30/2018			
				Const. Mgmt		4/29/2017	4/30/2018			
16	Talofofo Sewer Pump Stations (4 stations)	Design and construction of 4 sewer lift stations in the Talofofo village where sewer lines are installed but never completed.	J. Davis	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	$ 477,999.50	EMPSCO	Talafofo Pump Station design /bid ackage to be submitted to GWA week of 3/19/18. Final Design of Chalan Pago Pump Station project under review by GWA. Field inspection for snail to be under taken .
				Construction		4/29/2017	4/30/2018			
				Const. Mgmt		4/29/2017	4/30/2018			

17	Chalan Pago Sewer Pump Station	Design and construction of sewer lift stations and gravity lines in Scott Laguana, Santa Cruz Street Chalan Pago.	J. Davis	Design		8/17/2016	11/30/2017	*The design will be included with the Talofofo Pump Station design project.*		
				Construction		4/29/2017	4/30/2018			
				Const. Mgmt		4/29/2017	4/30/2018			
18	Water Hydraulic Model (SCADA ready instruments to update Model)	Design and construction of instrumentation at key water sites in the Barrigada service area necessary to update GWA Water hydraulic model.	Barbara Cruz	Design	12	8/3/2016	3/15/2017	$ 523,268.00	GHD	Design complete.
				Construction		2/1/2017	12/30/2019			Funding for construction project to be from FY18 grant that is still pending.
				Const. Mgmt		2/1/2017	12/30/2019			
19	Macheche Hill Sewer Rehabilitation/ Replacement	Rehabilitation of sewer lines on Macheche road. Segments of this sewer line has collapsed recently and is consider a high priority.	J. Davis	Design-Build	3	8/29/2016	3/30/2018	$ 2,202,545.47	Giant Const.	Construtcion project complete.
				Const. Mgmt	6	9/16/2016	3/30/2018	$ 379,994.38	Am Orient	CM work complete.
20	Asan-Adelup-Hagatna Rt. 1 Sewer Line Rehabilitation and Replacement Emergency Repairs	Rehabilitation of sewer line in Asan that collapsed and which is current fitted with a temporary pumping system.	Brown & Caldwell	Design				Design cost covered under 3A above.		
				Construction	4	3/8/2017	12/30/2017	$ 2,470,658.00		GWA waiting on as-builts. Signed PRC copy of CO#3 in hand; routing to GWA. Project Manager working with HDR to solve new pump issue.
				Const. Mgmt	7	1/24/2017	12/30/2017	covered under 3A		CM work complete.

DASHBOARD

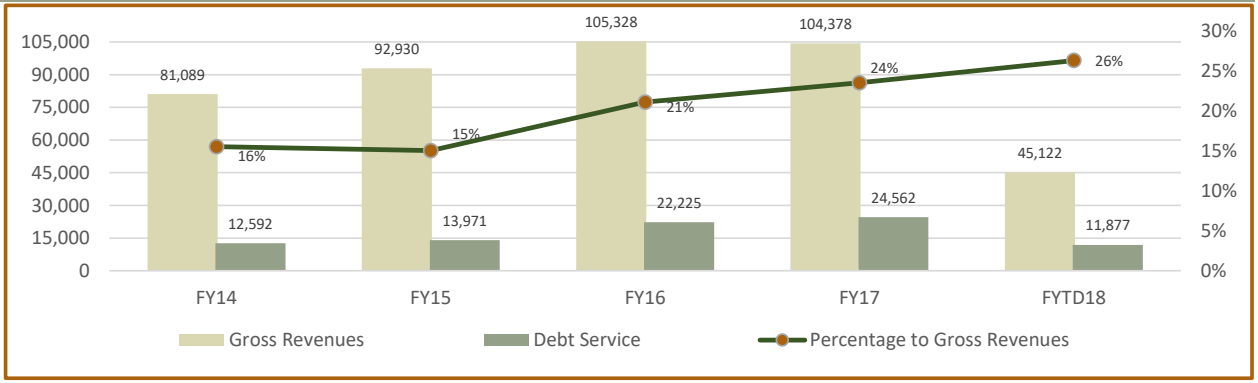
FYTD February 2018 Budget vs Actual ($000)

Category	Description	Budget FYTD18	Actual FYTD18	Variance
Rate Based Revenues	Water	$29,708	$28,515	($1,192)
	Wastewater	16,609	16,607	(2)
	Total	46,317	45,122	(1,195)
Operations & Maintenance	Salaries & Benefits	11,048	9,641	(1,407)
	Power	5,290	5,842	552
	Water Purchases	3,606	3,777	171
	A&G	5,361	4,212	(1,150)
	Contractual	1,866	1,688	(178)
	Total	$35,218	$34,240	($978)

Key Financial Ratios ($000)

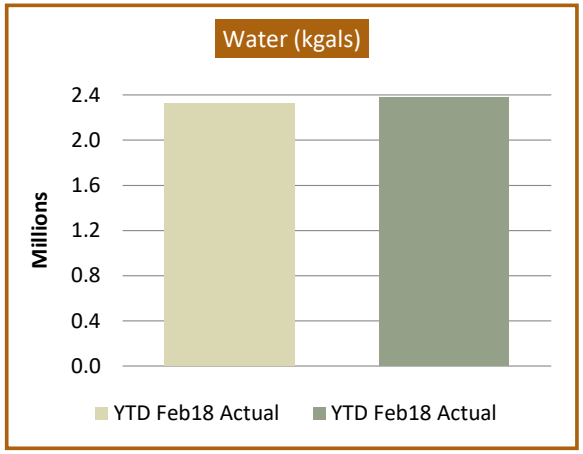
Category	FY18	FY17
Accounts Payable $$/Days	$4,355 / 47 days	$5,390 / 59 days
Accounts Receivable $$/Days	$16,173 / 65 days	$15,451 / 51 days
Days Cash On Hand	178 days	184 days
Annual Debt Service (Revenue Bonds)	$28,504	$24,563
Debt Service Coverage (Bond/PUC)	1.61 / 1.99	1.99 / 2.44

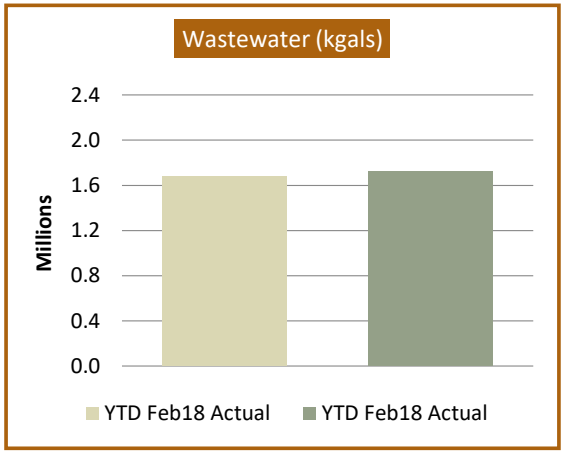
Debt as a Percent to Gross Revenue

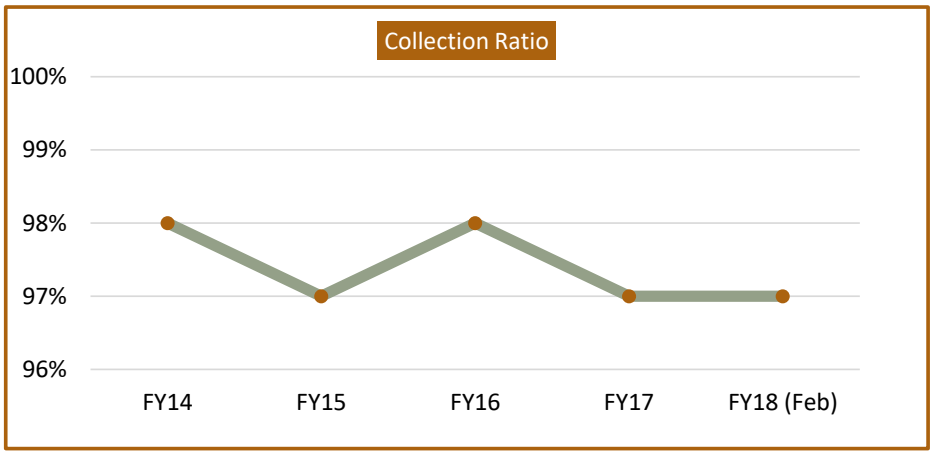


(1) Gross Revenues excludes SDC
(2) Debt Service Excludes Cap I

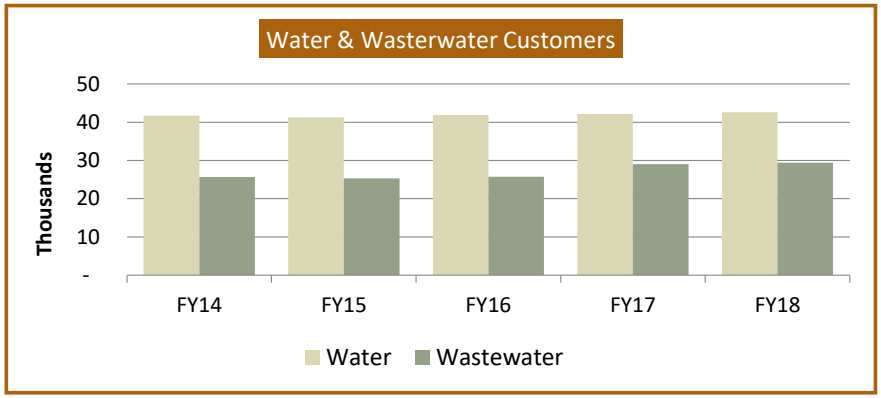
Water & Wastewater Analytics

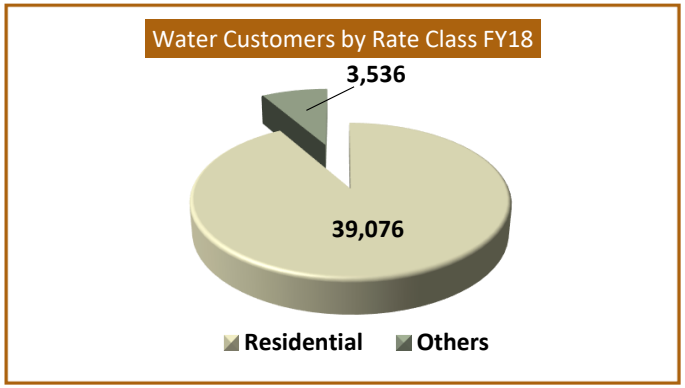


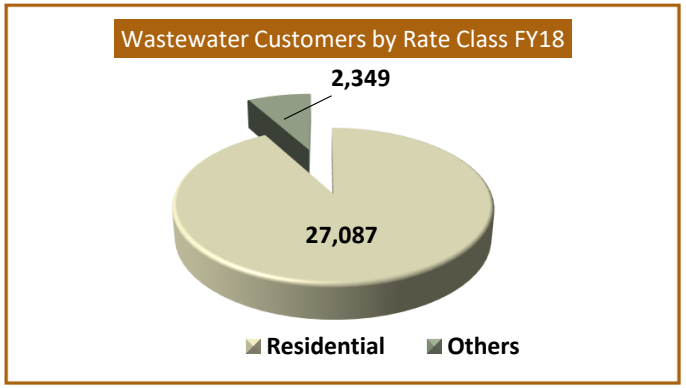


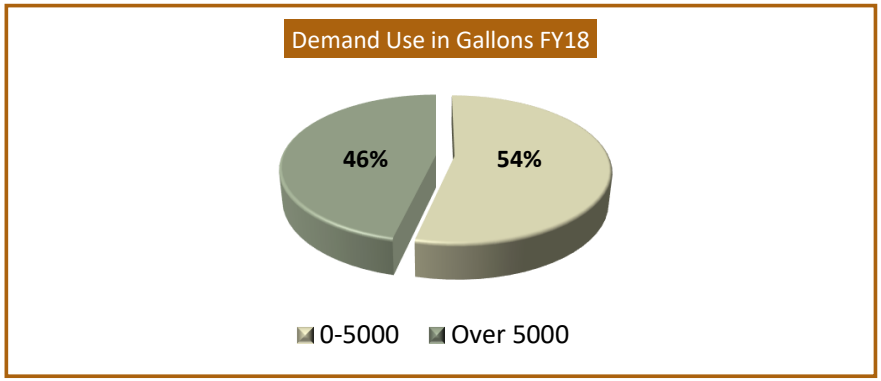


Water & Wastewater Customers





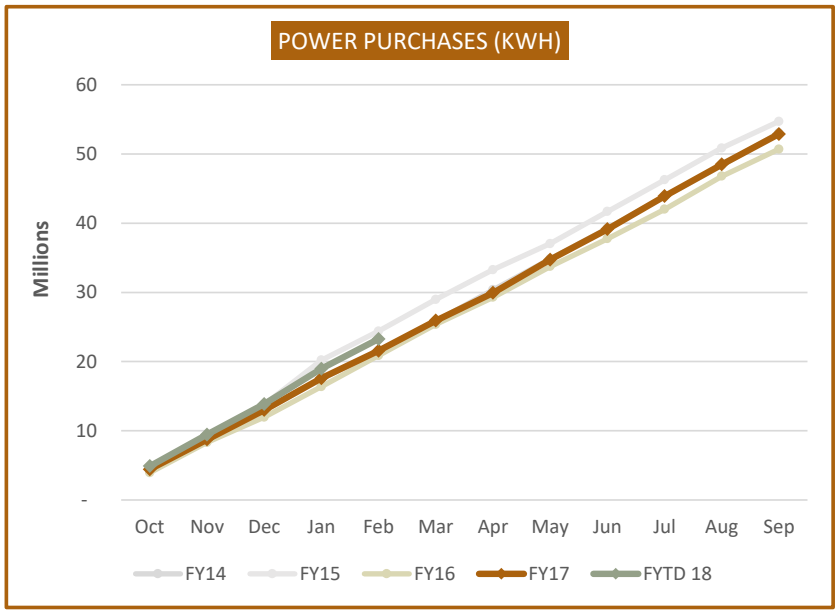


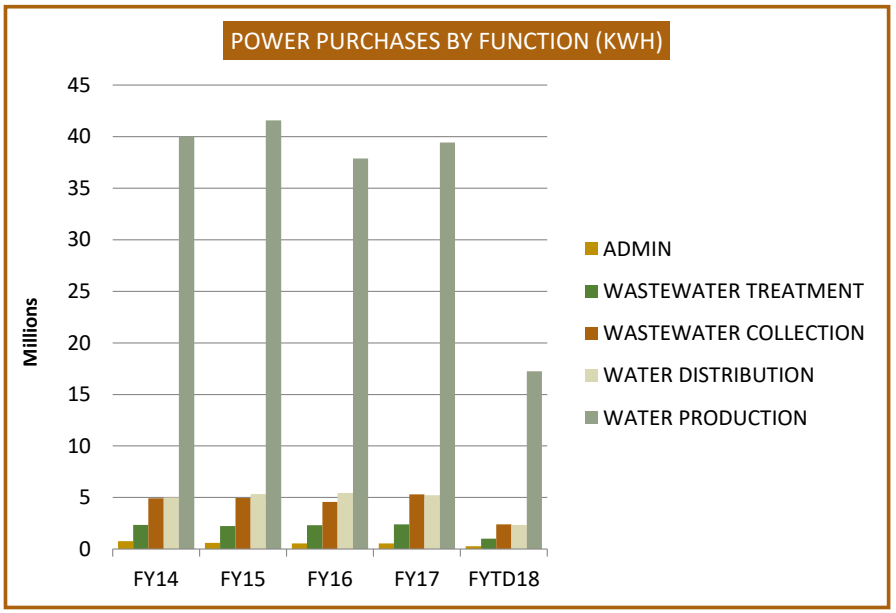


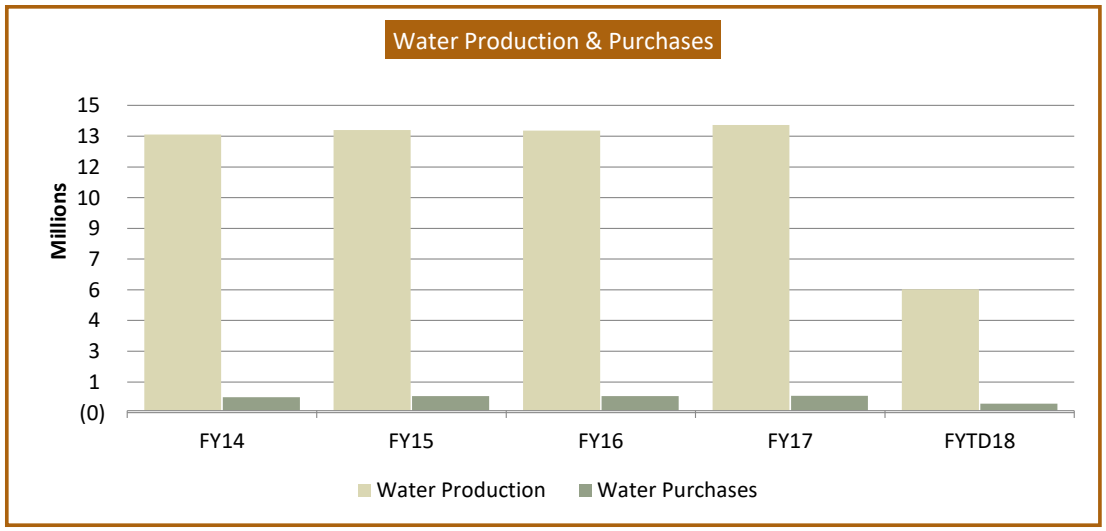
Top Ten Largest Water and Wastewater Customers – February 2018

Water			Wastewater		
Customer Name	FYTD18 Revenues	% of Total	Customer Name	FYTD18 Revenues	% of Total
1) MDI GUAM CORPORATION/LEOPALACE	$571,787	2.01%	1) AIR FORCE DOD	$1,588,771	9.57%
2) PACIFIC ISLANDS CLUB	475,631	1.67%	2) NAVY DOD	1,034,250	6.23%
3) HOTELS OF THE MARIANAS INC	417,437	1.46%	3) HOTELS OF THE MARIANAS INC	446,412	2.69%
4) HYATT	389,275	1.37%	4) HYATT	416,788	2.51%
5) HOTEL NIKKO GUAM	374,798	1.31%	5) HOTEL NIKKO GUAM	400,610	2.41%
6) GUAM REEF HOTEL INC	352,480	1.24%	6) GUAM REEF HOTEL INC	377,265	2.27%
7) SHERATON LAGUNA GUAM RESORT	332,191	1.16%	7) SHERATON LAGUNA GUAM RESORT	355,470	2.14%
8) MDI GUAM CORPORATION/WESTIN	269,669	0.95%	8) MDI GUAM CORPORATION/WESTIN	288,311	1.74%
9) OUTRIGGER GUAM RESORT	263,510	0.92%	9) OUTRIGGER GUAM RESORT	282,324	1.70%
10) TANOTA DEVELOPMENT LLC	257,430	0.90%	10) TANOTA DEVELOPMENT LLC	276,232	1.66%
Total	**$3,704,208**	**12.99%**	**Total**	**$5,466,433**	**32.92%**

Power, Water Purchases and Water Production

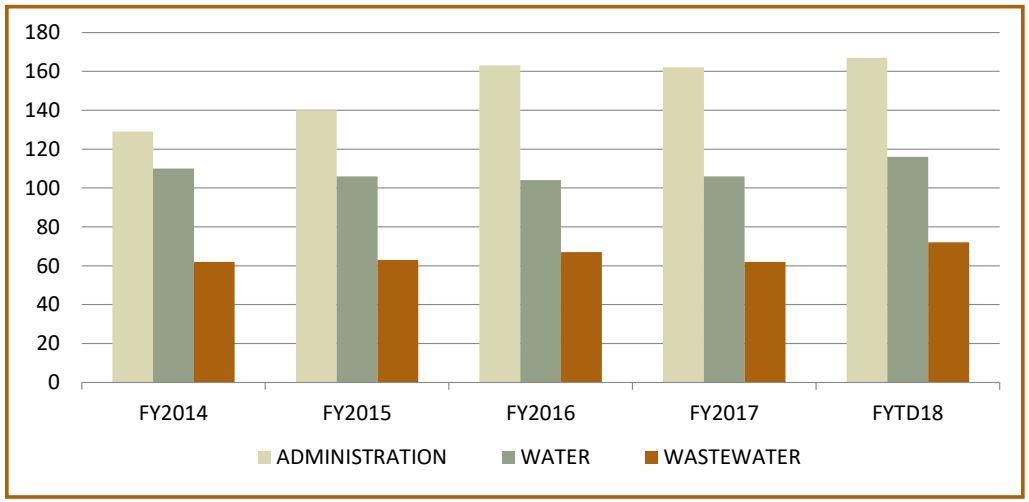




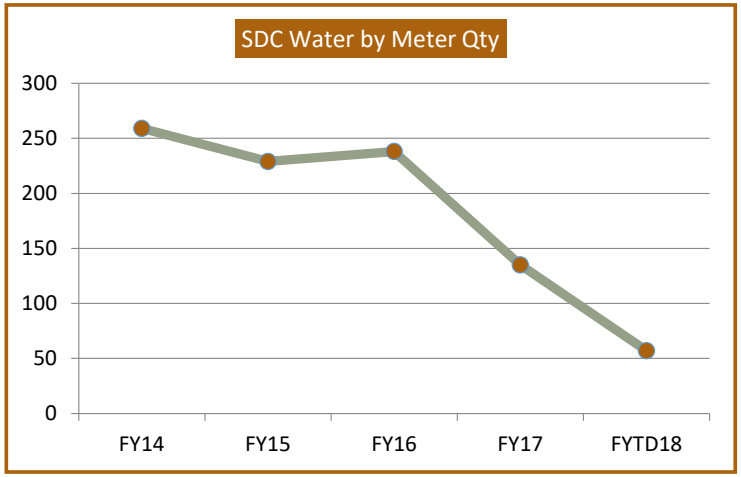


FTE by Major Division

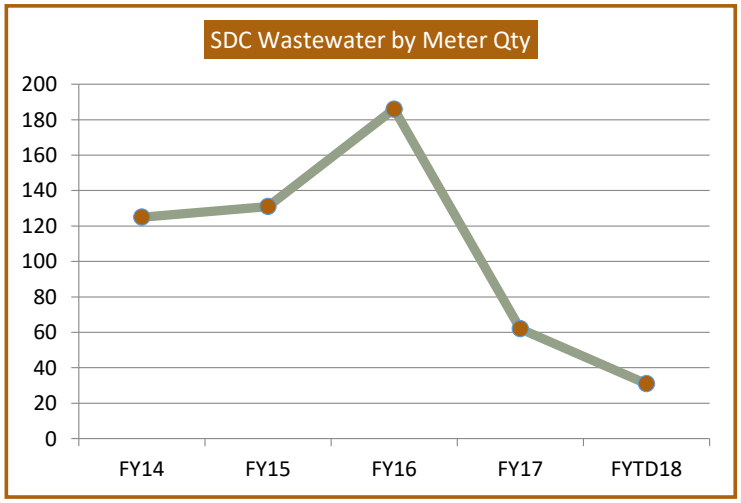
DIVISION	FY2014	FY2015	FY2016	FY2017	FYTD18
ADMINISTRATION	129	140	163	162	167
WATER	110	106	104	106	116
WASTEWATER	62	63	67	62	72
TOTAL NUMBER OF STAFF	301	309	334	330	355
Gross Salaries & Wages ($000)	15,532	15,805	16,442	17,210	7,243
Water Customers	41,702	41,274	41,858	42,181	42,612
Staff to Customers Ratio	0.72%	0.75%	0.80%	0.78%	0.83%



SDC Water & Wastewater (Meter Quantity)



Actual Meter Sizes (Inches)	FY 2014	FY 2015	FY 2016	FY 2017	FYTD18
5/8 x 3/4	248	220	239	129	50
1	5	5	7	2	1
1 1/2	1	1	1	1	3
2	3	2	4	2	2
3	1	-	1	-	-
4	-	1	-	-	1
6	-	-	-	1	-
8	1	-	-	-	-
10	-	-	-	-	-
Total SDC by Water	259	229	252	135	57



Actual Meter Sizes (Inches)	FY 2014	FY 2015	FY 2016	FY 2017	FYTD18
5/8 x 3/4	115	124	179	58	24
1	4	3	2	-	1
1 1/2	1	1	1	1	3
2	3	2	3	2	2
3	1	-	1	-	-
4	-	1	-	-	-
6	-	-	-	1	1
8	1	-	-	-	-
10	-	-	-	-	-
Total SDC by Wastewater	125	131	186	62	31

GUAM WATERWORKS AUTHORITY
FEBRUARY 28, 2018
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
February 28, 2018

SCHEDULE A

ASSETS	Unaudited February 28, 2018	Unaudited September 30, 2017	Increase (Decrease)
Current Assets:			
Cash:			
Unrestricted (Schedule G)	3,301,864	4,873,275	(1,571,410)
Restricted Funds (Schedule G)	68,093,664	65,124,400	2,969,264
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of $13,160,701 at Feb 28, 2018 and $12,619,034 at Sep 30, 2017	16,172,759	15,450,733	722,025
Other Receivable	4,492,742	8,433,446	(3,940,704)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of $457,370 at Feb 28, 2018 and Sep 30, 2017	2,060,482	2,166,557	(106,075)
Total Current Assets	94,121,511	96,048,411	(1,926,900)
Property, Plant and Equipment			
Utility plant in service:			
Water system	327,872,267	327,484,191	388,076
Wastewater system	286,534,706	286,394,940	139,767
Non-utility property	18,945,633	18,938,255	7,378
Total property	633,352,607	632,817,387	535,220
Less Accumulated Depreciation	(293,684,455)	(286,043,580)	(7,640,875)
Land	1,163,298	1,110,998	52,300
Construction Work in Progress	144,540,173	111,695,887	32,844,286
Property, Plant and Equipment, net	485,371,623	459,580,691	25,790,932
Other noncurrent assets			
Restricted cash (Schedule G)	209,527,323	236,550,002	(27,022,680)
Investments (Schedule G)	43,010,059	41,042,038	1,968,020
Other Prepaid Expenses	470,417	551,128	(80,711)
Total other noncurrent assets	253,007,798	278,143,169	(25,135,371)
TOTAL ASSETS	832,500,932	833,772,271	(1,271,339)
Deferred outflows of resources:			
Debt defeasance loss on refunding	8,073,091	1,695,981	6,377,110
Deferred outflows from pension	3,174,193	3,414,242	(240,050)
Total Assets and Deferred Outflows of Resources	**843,748,215**	**838,882,494**	**4,865,721**
LIABILITIES AND NET ASSETS			
Current Liabilities:			
Current maturities of long-term debt			
-Series 2010 Bond	-	1,655,000	(1,655,000)
-Series 2014 Refunding	3,475,000	3,385,000	90,000
-Notes Payable	2,873,988	2,873,988	-
Accounts Payable -Trade	4,355,490	5,390,256	(1,034,766)
Interest Payable	4,317,333	6,656,499	(2,339,167)
Accrued Payroll and Employee Benefits	1,930,635	2,604,471	(673,837)
Accrued Annual Leave	1,729,291	1,729,291	-
Current portion of employee annual leave	567,057	567,057	-
Contractors' Payable	8,786,562	13,950,287	(5,163,725)
Customer and Other Deposits	2,079,701	2,087,207	(7,506)
Total Current Liabilities	30,115,056	40,899,057	(10,784,001)
Long Term Debt, less current maturities			
Series 2010 Revenue Bond	-	112,870,000	(112,870,000)
Series 2013 Revenue Bond	172,630,000	172,630,000	-
Series 2014 Refunding	72,520,000	72,610,000	(90,000)
Series 2016 Revenue Bond	143,310,000	143,310,000	-
Series 2017 Refunding Bond	107,660,000	-	107,660,000
Unamortized Discount - Bond 2010	-	(1,867,525)	1,867,525
Unamortized Discount - Bond 2013	(1,317,459)	(1,338,751)	21,291
Unamortized Premium - Bond 2014	4,693,605	4,804,694	(111,089)
Unamortized Premium - Bond 2016	17,009,852	17,262,975	(253,123)
Unamortized Premium - Bond 2017	12,371,828	-	12,371,828
Notes Payable	4,479,009	5,697,499	(1,218,490)
Unfunded Ret Liability (GASB 67/68)	38,195,938	38,195,938	-
Employee Annual Leave, Less Current Portion	783,992	783,992	-
TOTAL LIABILITIES	602,451,820	605,857,879	(3,406,059)
Net Assets	**241,296,396**	**233,024,615**	**8,271,780**
Total Liabilities and Net Assets	**843,748,215**	**838,882,494**	**4,865,721**

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE B**
Comparative Budget vs. Actual for the period ending February 28, 2018

	Month to Date			Variance
	Budget February-18	Encumbered February-18	Actual (Unaudited) February-18	Favorable (Unfavorable)
OPERATING REVENUES				
Water Revenues	5,743,160		5,406,069	(337,091)
Wastewater Revenues	3,228,257		3,365,508	137,250
Legislative Surcharge	291,896		305,718	13,822
Other Revenues	57,638		29,674	(27,964)
System Development Charge	46,136		171,006	124,870
Total Operating Revenues	9,367,087		9,277,975	(89,113)
OPERATING AND MAINTENANCE EXPENSES				
Water Purchases	721,113		930,978	(209,865)
Power Purchases	1,057,997		1,280,891	(222,894)
Total Utility Costs	1,779,110		2,211,869	(432,759)
Salaries and Wages	1,625,056		1,432,480	192,576
Pension and Benefits	584,558		465,024	119,534
Total Salaries and Benefits	2,209,614		1,897,504	312,110
Capitalized Labor and Benefits	(208,333)		-	(208,333)
Net Salaries and Benefits	2,001,281		1,897,504	103,777
Administrative and General Expenses				
Sludge removal	174,514		107,247	67,267
Chemicals	229,997	41,153	120,719	68,125
Materials & Supplies	237,400	61,391	200,263	(24,254)
Transportation	61,370	24,312	57,106	(20,047)
Communications	16,182		20,617	(4,435)
Claims	17,600		4,210	13,390
Insurance	97,757		75,480	22,277
Training & Travel	21,814	5,154	16,370	291
Advertising	13,910	5,500	5,054	3,356
Miscellaneous	115,515	83,653	97,774	(65,912)
Regulatory Expense	29,086		25,895	3,192
Bad Debts Provision	57,103		108,324	(51,221)
Total Administrative and General Expense	1,072,248	221,163	839,058	(12,028)
Depreciation Expense	1,528,175	-	1,528,175	0
Contractual Expense				
Audit & Computer Maint.	78,630	8,465	49,602	20,563
Building rental	37,955		41,500	(3,545)
Equipment rental	57,375		52,405	4,969
Legal	4,167		600	3,567
Laboratory	64,752		18,285	46,467
Other	130,363		100,855	29,508
Total Contractual Expense	373,241	8,465	263,247	101,530
Retiree Supp. Annuities and health care costs	240,008		243,467	(3,459)
Contribution to Government of Guam	49,500		49,833	(333)
Total Retiree Benefits	289,508		293,301	(3,792)
Total Operating Expenses	7,043,563	229,628	7,033,154	(219,218)
Earnings (Loss) from Operations	2,323,524		2,244,821	78,703
Interest Income-2010/13/14/16 Series Bond	15,727		211,295	195,568
Interest Income-Other Funds	2,935		34,130	31,196
Interest Income-SDC	2,414		4,500	2,086
Interest Expense- 2010/13/14/16 Series Bond	(2,625,587)		(2,158,666)	466,921
Interest Expense- ST BOG	(33,288)		(39,219)	(5,931)
Federal Expenditures	(51,332)		(47,164)	4,168
Loss on Asset Disposal	-		-	-
AFUDC	625,000		625,000	-
Amortization of Discount, Premium and Issuance Costs	(61,861)		(77,542)	(15,681)
Loss on Defeasance Refunding	(15,218)		(12,444)	2,775
Deferred outflows from pension	(105,281)		(48,010)	57,271
Prior Year Adjustment	-		-	-
Total non-operating revenues (expenses)	(2,246,492)	-	(1,508,119)	738,373
Net Income (Loss) before capital contributions	77,032	-	736,702	659,670
Capital Contributions				
Grants from US Government	873,108		1,348,860	475,752
Grants from GovGuam & Others	-		57,952	57,952
Other Contributions	-		-	-
Total Capital Contributions	873,108	-	1,406,812	533,704
Change in Net Assets	950,140	-	2,143,515	1,193,374
Debt Service Calculation				
Earnings From Operations	2,323,524		2,244,821	
System Development Charge	(46,136)		(171,006)	
Retiree COLA	49,500		49,833	
Interest/Investment Income	2,935		34,130	
Depreciation	1,528,175		1,528,175	
Balance Available for Debt Service per Section 6.12	3,857,998		3,685,954	
Working Capital Reserve Available for Debt Service	935,321		935,321	
Transfer to Working Capital- Debt Service Reserve	(150,000)		-	
Transfer to Working Capital- O&M Reserve	(266,667)		-	
Balance Available for Debt Service inclusive of reserves	4,376,652		4,621,275	
Debt Service				
Principal	433,333		433,333	
Interest	2,063,402		1,942,002	
Total	2,496,736		2,375,335	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55		1.55	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75		1.95	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE C**
Comparative for the period ending February 28, 2018 and 2017

	Month to Date		Variance
	Actual (Unaudited) February-18	Actual (Unaudited) February-17	Favorable (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,406,069	5,331,404	74,665
Wastewater Revenues	3,365,508	3,099,528	265,980
Legislative Surcharge	305,718	267,269	38,449
Other Revenues	29,674	36,293	(6,619)
System Development Charge	171,006	72,662	98,344
Total Operating Revenues	9,277,975	8,807,155	470,820
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	930,978	609,094	(321,884)
Power Purchases	1,280,891	1,006,355	(274,536)
Total Utility Costs	2,211,869	1,615,449	(596,420)
Salaries and Wages	1,432,480	1,413,608	(18,871)
Pension and Benefits	465,024	477,546	12,521
Total Salaries and Benefits	1,897,504	1,891,154	(6,350)
Capitalized Labor and Benefits	-	(262,516)	(262,516)
Net Salaries and Benefits	1,897,504	1,628,638	(268,866)
Administrative and General Expenses			
Sludge removal	107,247	140,487	33,240
Chemicals	120,719	174,001	53,282
Materials & Supplies	200,263	128,788	(71,475)
Transportation	57,106	53,744	(3,362)
Communications	20,617	10,884	(9,733)
Claims	4,210	22,151	17,941
Insurance	75,480	90,603	15,123
Training & Travel	16,370	23,055	6,685
Advertising	5,054	8,988	3,934
Miscellaneous	97,774	71,997	(25,777)
Regulatory Expense	25,895	24,134	(1,760)
Bad Debts Provision	108,324	109,700	1,376
Total Administrative and General Expense	839,058	858,530	19,472
Depreciation Expense	1,528,175	1,402,038	(126,137)
Contractual Expense			
Audit & Computer Maint.	49,602	76,901	27,299
Building rental	41,500	36,557	(4,943)
Equipment rental	52,405	59,374	6,969
Legal	600	414	(186)
Laboratory	18,285	10,627	(7,659)
Other	100,855	156,747	55,893
Total Contractual Expense	263,247	340,619	77,372
Retiree Supp. Annuities and health care costs	243,467	231,895	(11,572)
Contribution to Government of Guam	49,833	49,500	(333)
Total Retiree Benefits	293,301	281,395	(11,905)
Total Operating Expenses	7,033,154	6,126,670	(906,483)
Earnings (Loss) from Operations	2,244,821	2,680,485	435,664
Interest Income-2010/13/14/16 Series Bond	211,295	65,354	145,941
Interest Income-Other Funds	34,130	10,032	24,099
Interest Income-SDC	4,500	1,060	3,441
Interest Expense- 2010/13/14/16 Series Bond	(2,158,666)	(2,220,744)	62,077
Interest Expense- ST BOG	(39,219)	(43,736)	4,517
Federal Expenditures	(47,164)	(42,501)	(4,663)
Loss on Asset Disposal	-	(81,105)	81,105
AFUDC	625,000	1,172,241	(547,241)
Amortization of Discount, Premium and Issuance Costs	(77,542)	61,861	(139,403)
Loss on Defeasance Bond05 Refunding	(12,444)	(15,218)	2,775
Deferred outflows from pension	(48,010)	(104,481)	56,471
Prior Year Adjustment	-	(26,756)	26,756
Total non-operating revenues (expenses)	(1,508,119)	(1,223,993)	(284,126)
Net Income (Loss) before capital contributions	736,702	1,456,492	(719,789)
Capital Contributions			
Grants from US Government	1,348,860	1,815,921	(467,061)
Grants from GovGuam & Others	57,952	1,664	56,288
Other Contributions	-	-	-
Total Capital Contributions	1,406,812	1,817,586	(410,774)
Change in Net Assets	2,143,515	3,274,078	(1,130,563)
Debt Service Calculation			
Earnings From Operations	2,244,821	2,680,485	
System Development Charge	(171,006)	(72,662)	
Retiree COLA	49,833	49,500	
Interest/Investment Income	34,130	10,032	
Depreciation	1,528,175	1,402,038	
Balance Available for Debt Service per Section 6.12	3,685,954	4,069,392	
Working Capital Reserve Available for Debt Service	935,321	932,134	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,621,275	5,001,527	
Debt Service			
Principal	433,333	420,000	
Interest	1,942,002	1,626,858	
Total	2,375,335	2,046,858	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55	1.99	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.95	2.44	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE D**
Comparative Budget vs. Actual for the period ending February 28, 2018

	Year to Date			Variance
	Budget February-18	Encumbered February-18	Actual (Unaudited) February-18	Favorable (Unfavorable)
OPERATING REVENUES				
Water Revenues	28,715,800		27,562,569	(1,153,232)
Wastewater Revenues	16,141,287		16,139,781	(1,505)
Legislative Surcharge	1,459,480		1,419,383	(40,097)
Other Revenues	288,190		163,186	(125,004)
System Development Charge	230,679		553,256	322,577
Total Operating Revenues	46,835,436		45,838,175	(997,261)
OPERATING AND MAINTENANCE EXPENSES				
Water Purchases	3,605,566		3,776,628	(171,062)
Power Purchases	5,289,984		5,841,655	(551,670)
Total Utility Costs	8,895,550		9,618,283	(722,733)
Salaries and Wages	8,125,280		7,243,285	881,995
Pension and Benefits	2,922,791		2,398,560	524,232
Total Salaries and Benefits	11,048,071		9,641,845	1,406,226
Capitalized Labor and Benefits	(1,041,667)		-	(1,041,667)
Net Salaries and Benefits	10,006,404		9,641,845	364,560
Administrative and General Expenses				
Sludge removal	872,570	377,303	478,488	16,779
Chemicals	1,024,984	772,045	860,982	(608,042)
Materials & Supplies	1,389,499	334,352	1,117,123	(61,977)
Transportation	261,852	357,827	184,848	(280,823)
Communications	80,910	98,493	80,804	(98,387)
Claims	55,500	-	12,700	42,800
Insurance	523,783	-	379,101	144,682
Training & Travel	109,071	9,749	35,418	63,904
Advertising	69,550	56,502	27,389	(14,340)
Miscellaneous	577,577	100,204	399,202	78,172
Regulatory Expense	110,432	-	93,838	16,593
Bad Debts Provision	285,513	-	541,667	(256,154)
Total Administrative and General Expense	5,361,241	2,106,475	4,211,560	(956,794)
Depreciation Expense	7,640,873	-	7,640,875	(2)
Contractual Expense				
Audit & Computer Maint.	408,152	159,392	278,304	(29,545)
Building rental	189,775	-	185,138	4,637
Equipment rental	286,873	-	361,439	(74,566)
Legal	20,833	-	3,000	17,833
Laboratory	308,758	394,551	189,924	(275,717)
Other	651,815	-	670,501	(18,685)
Total Contractual Expense	1,866,206	553,943	1,688,305	(376,042)
Retiree Supp. Annuities and health care costs	1,200,042		1,190,258	9,784
Contribution to Government of Guam	247,500		249,167	(1,667)
Total Retiree Benefits	1,447,542	-	1,439,424	8,117
Total Operating Expenses	35,217,816	2,660,418	34,240,292	(1,682,894)
Earnings (Loss) from Operations	11,617,620		11,597,883	(19,737)
Interest Income-2010/13/14/16 Series Bond	78,633		867,866	789,233
Interest Income-Other Funds	14,674		135,633	120,959
Interest Income-SDC	12,071		20,609	8,537
Interest Expense- 2010/13/14/16 Series Bond	(13,127,936)		(10,950,407)	2,177,529
Interest Expense- ST BOG	(166,441)		(183,085)	(16,644)
Federal Expenditures	(256,661)		(200,116)	56,545
Loss on Asset Disposal	-		-	-
AFUDC	3,125,000		3,125,000	-
Amortization of Discount, Premium and Issuance Costs	(309,304)		30,498	339,802
Loss on Defeasance Bond05 Refunding	(76,092)		(62,218)	13,874
Deferred outflows from pension	(526,403)		(240,050)	286,353
Prior Year Adjustment	-		9,784	9,784
Total non-operating revenues (expenses)	(11,232,459)	-	(7,446,486)	3,785,974
Net Income (Loss) before capital contributions	385,161	-	4,151,397	3,766,237
Capital Contributions				
Grants from US Government	4,365,541		3,982,651	(382,890)
Grants from GovGuam & Others	-		137,733	137,733
Other Contributions	-		-	-
Total Capital Contributions	4,365,541	-	4,120,383	(245,158)
Change in Net Assets	4,750,702	-	8,271,781	3,521,079
Debt Service Calculation				
Earnings From Operations	11,617,620		11,597,883	
System Development Charge	(230,679)		(553,256)	
Retiree COLA	247,500		249,167	
Interest/Investment Income	14,674		135,633	
Depreciation	7,640,873		7,640,875	
Balance Available for Debt Service per Section 6.12	19,289,988		19,070,302	
Working Capital Reserve Available for Debt Service	4,676,605		4,660,671	
Transfer to Working Capital- Debt Service Reserve	(750,000)		(35,950)	
Transfer to Working Capital- O&M Reserve	(1,333,333)		(43,195)	
Balance Available for Debt Service inclusive of reserves	21,883,260		23,651,827	
Debt Service				
Principal	2,166,667		2,166,667	
Interest	10,317,011		9,710,010	
Total	12,483,678		11,876,676	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55		1.61	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75		1.99	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative for the period ending February 28, 2018 and 2017

SCHEDULE E

	Year to Date ACTUAL (Unaudited) February-18	Year to Date ACTUAL (Unaudited) February-17	Variance Favorable (Unfavorable)
OPERATING REVENUES			
Water Revenues	27,562,569	26,657,018	905,551
Wastewater Revenues	16,139,781	15,497,638	642,143
Legislative Surcharge	1,419,383	1,336,344	83,039
Other Revenues	163,186	181,464	(18,278)
System Development Charge	553,256	363,311	189,945
Total Operating Revenues	45,838,175	44,035,775	1,802,400
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	3,776,628	3,045,469	(731,159)
Power Purchases	5,841,655	5,031,776	(809,879)
Total Utility Costs	9,618,283	8,077,245	(1,541,038)
Salaries and Wages	7,243,285	7,068,042	(175,243)
Pension and Benefits	2,398,560	2,387,729	(10,831)
Total Salaries and Benefits	9,641,845	9,455,771	(186,074)
Capitalized Labor and Benefits	-	(1,312,579)	(1,312,579)
Net Salaries and Benefits	9,641,845	8,143,192	(1,498,652)
Administrative and General Expenses			
Sludge removal	478,488	702,434	223,946
Chemicals	860,982	870,005	9,024
Materials & Supplies	1,117,123	643,938	(473,185)
Transportation	184,848	268,722	83,874
Communications	80,804	54,419	(26,385)
Claims	12,700	110,755	98,055
Insurance	379,101	453,014	73,912
Training & Travel	35,418	115,273	79,855
Advertising	27,389	44,939	17,550
Miscellaneous	399,202	359,983	(39,219)
Regulatory Expense	93,838	120,672	26,834
Bad Debts Provision	541,667	548,499	6,832
Total Administrative and General Expense	4,211,560	4,292,652	81,092
Depreciation Expense	7,640,875	7,010,190	(630,685)
Contractual Expense			
Audit & Computer Maint.	278,304	384,505	106,201
Building rental	185,138	182,783	(2,355)
Equipment rental	361,439	296,870	(64,569)
Legal	3,000	2,070	(930)
Laboratory	189,924	53,133	(136,792)
Other	670,501	783,736	113,235
Total Contractual Expense	1,688,305	1,703,095	14,790
Retiree Supp. Annuities and health care costs	1,190,258	1,159,477	(30,781)
Contribution to Government of Guam	249,167	247,500	(1,667)
Total Retiree Benefits	1,439,424	1,406,977	(32,447)
Total Operating Expenses	34,240,292	30,633,351	(3,606,941)
Earnings (Loss) from Operations	11,597,883	13,402,424	(1,804,541)
Interest Income-2010/13/14/16 Series Bond	867,866	326,772	541,094
Interest Income-Other Funds	135,633	50,159	85,474
Interest Income-SDC	20,609	5,299	15,310
Interest Expense- 2010/13/14/16 Series Bond	(10,950,407)	(11,103,719)	153,312
Interest Expense- ST BOG	(183,085)	(218,681)	35,596
Federal Expenditures	(200,116)	(212,507)	12,391
Loss on Asset Disposal	-	(405,523)	405,523
AFUDC	3,125,000	5,861,205	(2,736,205)
Amortization of Discount, Premium and Issuance Costs	30,498	309,304	(278,805)
Loss on Defeasance Bond05 Refunding	(62,218)	(76,092)	13,874
Deferred outflows from pension	(240,050)	(522,403)	282,354
Prior Year Adjustment	9,784	(133,778)	143,562
Total non-operating revenues (expenses)	(7,446,486)	(6,119,966)	(1,326,520)
Net Income (Loss) before capital contributions	4,151,397	7,282,459	(3,131,061)
Capital Contributions			
Grants from US Government	3,982,651	9,079,607	(5,096,957)
Grants from GovGuam & Others	137,733	8,322	129,411
Other Contributions	-	-	-
Total Capital Contributions	4,120,383	9,087,929	(4,967,546)
Change in Net Assets	8,271,781	16,370,388	(8,098,607)
Debt Service Calculation			
Earnings From Operations	11,597,883	13,402,424	
System Development Charge	(553,256)	(363,311)	
Retiree COLA	249,167	247,500	
Interest/Investment Income	135,633	50,159	
Depreciation	7,640,875	7,010,190	
Balance Available for Debt Service per Section 6.12	19,070,302	20,346,962	
Working Capital Reserve Available for Debt Service	4,660,671	4,660,671	
Transfer to Working Capital- Debt Service Reserve	(35,950)	-	
Transfer to Working Capital- O&M Reserve	(43,195)	-	
Balance Available for Debt Service inclusive of reserves	23,651,827	25,007,633	
Debt Service			
Principal	2,166,667	2,100,000	
Interest	9,710,010	8,134,292	
Total	11,876,676	10,234,292	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.61	1.99	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.99	2.44	

SCHEDULE F

Bond Compliance

		($$$) Per Indenture	As of 2/28/18 ($$$) Bond 2013/2014/2016/2017
• Operation and Maintenance Fund-BOG	*Equivalent to 55 days of the annual O&M budget less depreciation*	$10.5M	$10.5M
• Bond Reserve Fund - US Bank	*Fully funded- Principal and Interest (Bond Series 2010, 2013, 2014 Refunding and 2016)*	$34.9M	$34.9M
• Operation, Maintenance, Renewal and Replacement Reserve Fund-BOG Trust	*Equivalent to 1/4 of the annual O&M budget & CIP budget to be funded in 5 years ($2M/year)*	$17.4M	$17.4M
• Capital Improvement Fund	*Balance remaining in the Revenue Fund after the foregoing deposits*	$3.9K	$5.6K

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY 2018

SCHEDULE G

Description	Unaudited February 28, 2018	Unaudited September 30, 2017	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	5,000	5,000	-
BOG - General Fund	3,264,825	4,836,236	(1,571,410)
BOG - PRN Payroll	30,039	30,039	-
Sub-total Unrestricted	3,301,864	4,873,275	(1,571,410)
RESTRICTED			
Bank of Hawaii	108,570	133,931	(25,361)
First Hawaiian Bank	44,150	10,261	33,889
Bank Pacific	12,984	15,825	(2,841)
Community First FCU	3,039	3,448	(410)
BOG - Customer Refunds	1,838,848	1,831,426	7,422
Bank Pacific - Surcharge	313,915	278,142	35,773
Bank Pacific - Escrow Deposit	666,222	666,140	82
BOG Emergency Reserve Fund	6,125	6,122	3
BOG - Revenue Trust	652,270	201,614	450,656
BOG Revenue Trust Fund	7,778,784	7,782,227	(3,443)
BOG Capital Improvement Fund-Bond	5,598	5,598	0
BOG Capital Improvement Revenue Fund	1,912,183	-	1,912,183
BOG-O & M Reserve	13,559,735	13,516,540	43,195
BOG-Debt Service Reserve	11,253,683	11,217,733	35,950
BOG-CAPEX Reserve	15,510,753	15,462,869	47,884
BOG Sewer Hookup Revolving Fund	64,639	63,590	1,049
BOG Subord. Sec. Fund	859,233	859,233	-
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
	57,674,213	55,138,182	2,536,031
BOG - SDC Deposit	2,919,451	1,486,219	1,433,233
BOG - SDC CDs	7,500,000	8,500,000	(1,000,000)
Total Restricted	68,093,664	65,124,400	2,969,264
Reserve Funds			
BOG Series 05 OMRRRF Fund	17,423,213	17,423,213	-
BOG Series 13 Construction Fund	57,265,927	74,461,765	(17,195,839)
BOG Series 14 Refunding Construction Fund	763,295	771,281	(7,987)
BOG Series 16 Construction Fund	125,258,757	132,811,449	(7,552,692)
BOG Series 16 Cap Int Fund	2	1,782,982	(1,782,980)
BOG Series 17 Refunding Construction Fund	8,768,666	9,299,311	(530,645)
BOG Series 17 Refunding COI Fund	47,463		47,463
Total Restricted - Held by Trustee	209,527,323	236,550,002	(27,022,680)
USB Series 2013 Debt Service Fund	1,566,065	2,336,754	(770,688)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	2,943,036	1,796,559	1,146,477
USB Series 2014 Refunding Debt Service Reserve Fund	7,781,747	7,707,602	74,145
USB Series 2016 Debt Service Fund	1,195,618	130	1,195,488
USB Series 2016 Debt Service Reserve Fund	7,594,585	7,582,725	11,860
USB Series 2010 Debt Service Fund	1,378,620	2,020,121	(641,501)
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	952,239	-	952,239
Total Investments	43,010,059	41,042,038	1,968,020
Total Restricted and Unrestricted Cash	323,932,910	347,589,716	(23,656,806)

SCHEDULE H

Guam Waterworks Authority **Statement of Cash Flows (Unaudited)** **FY 2018**	**YTD** **Feb-18**
Increase (decrease) in cash	
Cash flows from operating activities:	
Cash received from trade and others	44,054,897
Cash payments to suppliers/contractors for goods and services	(15,487,414)
Cash payments to employees for services	(10,209,408)
Net cash provided by operating activities	18,358,075
Cash flows from capital and related financing activities:	
Contributed capital received (grants)	8,762,175
Acquisition of utility plant	(36,833,189)
Repayment of Long Term Debt	7,031,432
Interest expense	(14,953,134)
Net cash provided by (used in) capital and related financing activities	(35,992,716)
Cash flows from investing activities:	
Transfers from (to) restricted fund	15,277,448
Interest income received	785,783
Net cash provided by investing activities	16,063,231
Net increase (decrease) in cash	(1,571,410)
Unrestricted cash at beginning of the period	4,873,275
Unrestricted cash at end of period	3,301,864
Reconciliation of operating loss to net cash provided by operating activities:	
Operating Income (loss)	13,484,163
Adjustments to reconcile to net cash provided by operating activities:	
Depreciation expense	7,640,875
Other Expense/income	525,532
(Increase) decrease in assets:	
Accounts receivable	(1,775,772)
Materials and supplies inventory	106,075
Other Assets	80,711
Increase (decrease) in liabilities:	
Accounts payable, Contractors, Retention & Escrow Deposit	(1,033,719)
Accrued payroll	(662,285)
Customer deposits	(7,506)
Net cash provided by operating activities	18,358,075

Guam Waterworks Authority
Accounts Receivable - Government
As of February 28, 2018

SCHEDULE I

			AGING				
Customer Name	**No of Accounts**	**Current Balance**	**31-60 days**	**61-90 days**	**91-120 days**	**Over 120 days**	**Outstanding Bal.**
GUAM INT'L AIRPORT AUTHORITY	10	54,502	46,575	37,276	38,193	151,187	327,733
GUAM POWER AUTHORITY	25	18,771	15,346	802	17,200	142,706	194,826
GUAM MEMORIAL HOSPITAL AUTHORITY	2	43,662	35,525	-	-	-	79,187
PORT AUTHORITY OF GUAM	2	55,034	22,516	-	-	-	77,550
GUAM COMMUNITY COLLEGE	3	11,500	8,994	9,274	-	-	29,767
UNIVERSITY OF GUAM	2	9,270	-	-	-	-	9,270
GUAM HOUSING & URBAN RENEWAL AUTHORITY	7	1,218	-	-	-	92	1,310
GUAM HOUSING CORPORATION	1	29	-	-	-	-	29
AUTONOMOUS AGENCIES	**52**	**193,987**	**128,955**	**47,352**	**55,394**	**293,984**	**719,672**
DEPT OF EDUCATION	50	222,019	171,572	26,841	11,468	119,892	551,793
DEPT OF PARKS & RECREATION	18	240,080	28,523	30,311	25,466	176,648	501,029
DEPT OF CORRECTIONS	8	112,418	99,603	-	-	-	212,021
DEPT OF PUBLIC HEALTH & SOCIAL SERVICES	5	1,797	674	1,010	454	103,279	107,214
MAYORS' COUNCIL OF GUAM	41	22,069	-	9	-	-	22,077
DEPT OF MENTAL HEALTH AND SUBTANCE	2	1,834	7,556	-	-	-	9,390
GUAM FIRE DEPARTMENT	10	7,546	-	-	-	-	7,546
DEPT OF PUBLIC WORKS	10	4,738	467	-	-	-	5,205
DEPT OF CHAMORRO AFFAIRS	2	3,791	1,270	-	-	-	5,061
DEPT OF YOUTH AFFAIRS	2	3,971	-	-	-	-	3,971
DEPT OF MILITARY AFFAIRS/GUARNG	1	2,797	-	-	-	-	2,797
DEPT OF ADMINISTRATION	2	945	163	161	146	576	1,991
DEPT OF AGRICULTURE	2	1,891	-	-	-	-	1,891
SANCTUARY INC	1	1,731	-	-	-	-	1,731
GHURA-AGAFU GUMAS PARK	1	229	42	26	38	831	1,167
GUAM POLICE DEPARTMENT	2	1,022	-	-	-	-	1,022
DIVISION OF SENIOR CITIZENS, DPH&SS	2	495	-	139	66	-	701
GUAM VETERANS AFFAIRS OFFICE	2	207	-	-	-	-	207
GUAM PUBLIC LIBRARY	4	161	-	-	-	-	161
MERIZO MAYOR	1	54	-	-	-	-	54
THE OFFICE OF THE DEDEDO MAYOR	1	51	-	-	-	-	51
GUAM SOLID WASTE AUTHORITY	1	23	-	-	-	-	23
							-
LINE AGENCIES	**168**	**629,869**	**309,871**	**58,497**	**37,639**	**401,227**	**1,437,102**
TOTAL February 28, 2018	**220**	**823,855**	**438,826**	**105,849**	**93,032**	**695,212**	**2,156,774**
TOTAL September 30, 2017	**253**	**715,578**	**442,522**	**169,120**	**72,476**	**396,347**	**1,796,043**
% INCREASE/ (DECREASE)	**-13%**	**15%**	**-1%**	**-37%**	**28%**	**75%**	**20%**

GUAM WATERWORKS AUTHORITY
2013 Series Bond Project Status
As of Feb. 28, 2018

SCHEDULE J

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Santa Rita Springs Booster Pump Rehab Phase II	$ 100,000	$ 100,000	77,400	22,600	$ 100,000	$ -	$ 22,600
"A" Series Well Transmission Line	$ 400,000	$ 400,000	314,479	55,367	$ 369,846	$ 30,154	$ 85,521
Water Booster Pump Station	$ 6,000,000	$ 1,861,000	1,656,428	23,536	$ 1,679,964	$ 181,036	$ 204,572
Meter Replacement Program		$ 999,000	996,532	-	$ 996,532	$ 2,468	$ 2,468
Barrigada Tank Repair/Replacement	$ 6,000,000	$ 4,987,000	4,924,959	62,041	$ 4,987,000	$ 0	$ 62,041
Leak Detection	$ 100,000	$ 20,000	16,916	-	$ 16,916	$ 3,084	$ 3,084
Potable Water System Planning	$ 800,000	$ 624,000	598,825	25,175	$ 624,000	$ -	$ 25,175
Implement Ground Water Rule	$ 1,000,000	$ 1,000,000	1,000,000	-	$ 1,000,000	$ -	$ -
Deep Well Rehabilitation	$ 800,000	$ 200,000	189,930	10,071	$ 200,000	$ (0)	$ 10,070
New Deep Wells at Down Hard	$ 2,000,000	$ 810,000			$ -	$ 810,000	$ 810,000
Master Meters	$ 4,000,000	$ 784,000	531,188	180,872	$ 712,060	$ 71,940	$ 252,812
Ugum Water Treatment Plant Intake	$ 1,000,000	$ 982,000	578,858	280,943	$ 859,801	$ 122,199	$ 403,142
Water Wells	$ 4,200,000	$ 4,200,000	2,284,474	745,555	$ 3,030,029	$ 1,169,971	$ 1,915,527
Water Distribution System	$ 12,000,000	$ 11,151,000	5,769,840	4,085,676	$ 9,855,516	$ 1,295,484	$ 5,381,160
Pressure Zone Realignment /	$ 1,000,000	$ 431,000	336,036	1,074	$ 337,110	$ 93,890	$ 94,964
Mechanical/Electrical Equipment	$ 430,000	$ 430,000	328,686	98,112	$ 426,798	$ 3,202	$ 101,314
Water Reservoir Internal/External	$ 800,000	$ -			$ -	$ -	$ -
Water System Reservoirs 2005 Improvements	$ 21,000,000	$ 13,878,000	10,726,206	3,151,434	$ 13,877,640	$ 360	$ 3,151,794
Ugum Water Treatment Plant Reservoir	$ 7,000,000	$ 90,000			$ -	$ 90,000	$ 90,000
Agana Heights & Chaot Tanks	$ 4,500,000	$ 3,280,000	233,265	1,097,022	$ 1,330,287	$ 1,949,713	$ 3,046,735
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 13,500,000	$ 11,605,000	4,120,369	7,484,631	$ 11,605,000	$ 0	$ 7,484,631
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 8,000,000	$ -			$ -	$ -	$ -
Assessment of malojloj Elevetad & Yigo Elevated	$ 500,000	$ 485,117	461,813	23,304	$ 485,117	$ -	$ 23,304
Fire Hydrant Replacement Program	$ -	$ -			$ -	$ -	$ -
		$ -					
Wastewater System Planning	$ 800,000	$ 651,000	550,480	100,520	$ 651,000	$ (0)	$ 100,520
Lift Station Upgrades	$ 5,000,000	$ 946,000	562,785	363	$ 563,149	$ 382,852	$ 383,215
Wastewater Collection System Repl/Rehab	$ 6,500,000	$ 780,000	502,452	157,862	$ 660,314	$ 119,687	$ 277,548
Baza Gardens STP Replacement		$ 3,114,883	969,594	2,145,275	$ 3,114,869	$ 15	$ 2,145,290
Facilities Plan/Design for Umatac-Merizo WWTP		$ 473,000	335,129	36,570	$ 371,699	$ 101,301	$ 137,871
Agat/Santa Rita STP Replacement	$ 19,000,000	$ 67,200,000	39,664,920	27,686,388	$ 67,351,308	$ (151,307)	$ 27,535,080
Agana WWTP Interim Measures		$ 673,000	611,247	61,753	$ 673,000	$ (0)	$ 61,753
Umatac Merizo Replacement	$ 2,000,000	$ -			$ -	$ -	$ -
		$ -					
Wastewater Pump Station Electrical Upgrade	$ 620,000	$ 620,000	91,348	8,513	$ 99,861	$ 520,139	$ 528,652
Electrical Upgrade - Water Wells	$ 1,500,000	$ 1,500,000	1,480,769	19,230	$ 1,500,000	$ 0	$ 19,231
Electrical Upgrade - Water Booster	$ 325,000	$ 2,000			$ -	$ 2,000	$ 2,000
Electrical Upgrade -Water Booster	$ 350,000	$ 200,000	977	-	$ 977	$ 199,023	$ 199,023
Electrical Upgrade - Other Water	$ 250,000	$ 150,000	60,700	-	$ 60,700	$ 89,300	$ 89,300
SCADA Improvements – Phase 3	$ 1,850,000	$ 923,000	427,949	294,410	$ 722,359	$ 200,641	$ 495,051
SCADA Improvements – Phase 4	$ 500,000	$ -			$ -	$ -	$ -
		$ -					$ -
Laboratory Modernization	$ 1,500,000	$ 1,173,000	1,163,037	8,428	$ 1,171,465	$ 1,535	$ 9,963
Land Survey	$ 2,000,000	$ 2,000	1,038	15	$ 1,053	$ 948	$ 963
General Plant Improvements / Water	$ 2,000,000	$ 2,600,000	1,265,043	1,176,695	$ 2,441,737	$ 158,263	$ 1,334,957
Allowance for COI							$ 275,005
Interest Earned							$ 499,593
Total Construction Fund (2013 Series Revenue Bond)	**$ 139,325,000**	**$ 139,325,000**	**$ 82,833,671**	**$ 49,043,434**	**$ 131,877,105**	**$ 7,447,895**	**$ 57,265,926**

PUC's Docket 14-04 dated February 25, 2014

GUAM WATERWORKS AUTHORITY
2014 Series Refunded Bond Project Status
As of Feb. 28, 2018

SCHEDULE K

PROJECT NAME	ORIGINAL APPROVED PROJECT	ADJUSTED PROJECT COST	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	20% PUC AS OF 02/28/18	Construction fund balance AS OF 02/28/18
Agana Treatment Plant	$ 10,475,000	$ 11,065,512	11,065,512	$ -	$ 11,065,512	$ (0)	$ 2,095,000	$ (0)
								$ -
Agana Outfall	$ 5,030,000	$ 10,127,198	10,127,198	$ -	$ 10,127,198	$ 0	$ 1,006,000	$ 0
								$ -
								$ -
Northern District (Outfall)	$ 4,700,000	$ 10,251,423	10,251,423	$ -	$ 10,251,423	$ 0	$ 940,000	$ 0
Northern District WWTP Upgrade		$ 173,681	173,681		$ 173,681	$ -		$ -
Northern Treatment Plant		$ -	-		$ -	$ -		$ -
Baza Gardens Wastewater Treatment Plant	$ 500,000	$ 297,177	297,177	$ -	$ 297,177	$ (0)	$ 100,000	$ (0)
Interim Disinfection Facilities	$ 581,000	$ 3,437,311	3,408,599	$ 28,712	$ 3,437,311	$ (0)	$ 116,200	$ 28,712
						$ -		$ -
Electrical Protection	$ 1,000,000	$ 1,512,483	1,512,483.3	$ -	$ 1,512,483	$ (0)	$ 200,000	$ (0)
Well Vulnerability Reduction	$ 600,000	$ 185,522	185,522	$ -	$ 185,522	$ 0	$ 120,000	$ 0
Old Agat Wastewater Collection (I/I Reductic	$ 2,155,000	$ 1,931,659	1,931,659	$ -	$ 1,931,659	$ (0)	$ 431,000	$ (0)
				$ -		$ -		$ -
Chaot WW Pump Station/Collection System	$ 410,000	$ 399,120	399,120	$ -	$ 399,120	$ -	$ 82,000	$ -
Lift Station Upgrades	$ 230,000	$ 149,895	149,895	$ -	$ 149,895	$ 0	$ 46,000	$ 0
Collection Line Upgrades	$ 200,000	$ 62,755	62,755	$ -	$ 62,755	$ 0	$ 40,000	$ 0
"A" Well Transmission Line	$ 2,413,000	$ 3,833,175	3,790,888	$ 42,287	$ 3,833,175	$ (0)	$ 482,600	$ 42,287
					$ -	$ -		$ -
Santa Rita Springs - Booster Pump Rehab.	$ 648,000	$ 306,841	306,841	-	$ 306,841	$ (0)	$ 129,600	$ (0)
						$ -	$ -	$ -
Fena Bypass Transmission line		$ 160,913	160,913	$ -	$ 160,913	$ (0)	$ -	$ (0)
Storage Additions	$ 950,000	$ -			$ -	$ -	$ 190,000	$ -
Booster Station Upgrades	$ 390,000	$ 66,734	66,734	$ -	$ 66,734	$ -	$ 78,000	$ -
Mangilao Tank Repair	$ 800,000	$ 398,367	397,933	$ 434	$ 398,367	$ (0)	$ 160,000	$ 434
Ugum Tank Replacement	$ 2,500,000	$ -			$ -	$ -	$ 500,000	$ -
Ugum WTPlant Refurbishment ($1.724,970EPA)		$ 6,588,473	6,531,525	$ 56,949	$ 6,588,473	$ (0)		$ 56,948
Barrigada Tank Repair/Replacement	$ 3,000,000	$ 65,019	65,019	$ -	$ 65,019	$ 0	$ 600,000	$ 0
						$ -		$ -
Water Reservoir Condition Assessment		$ 1,250,000	1,249,227.16	$ 772	$ 1,250,000	$ 0	$ -	$ 773
EarthTech Well Buyout	$ 5,000,000	$ 5,975,000	5,975,000	$ -	$ 5,975,000	$ -	$ 1,000,000	$ -
Water Wastewater Master Plan	$ 4,900,000	$ 4,881,308	4,881,308	$ -	$ 4,881,308	$ 0	$ 980,000	$ 0
Laboratory Modernization	$ 800,000	$ 135,055	135,055	$ -	$ 135,055	$ 0	$ 160,000	$ 0
Land Survey	$ 800,000	$ 577,836	576,134	$ 1,702	$ 577,836	$ 0	$ 160,000	$ 1,702
Ground Water Disinfection		$ -				$ -		$ -
GWUDI Study		$ 262,234	260,430	1,804	$ 262,234	$ -		$ 1,804
						$ -		$ -
Contingency	$ 12,276,023	$ 154	-	$ -	$ -	$ -		$ 732
						$ -		$ -
						$ -		$ -
						$ -		$ -
						$ -		$ -
						$ -		$ -
Vehicles	$ 1,100,000	$ 1,280,000	2,130,305	$ (850,305)	$ 1,280,000	$ -	$ 220,000	$ -
Generation Equipment	$ 700,000	$ 880,000	2,712	$ 877,288	$ 880,000	$ 0		$ 27,033
Leak Detection/Line Replacement	$ 8,200,000	$ 5,988,494	5,988,494	$ -	$ 5,988,494	$ -	$ 1,640,000	$ -
						$ -		$ -
						$ -		$ -
Automated Meter Reading	$ 12,572,063	$ 17,468,359	16,870,522	$ 537,157	$ 17,468,359.32	$ 0	$ 2,514,413	$ 597,837
Total Construction Fund (2014 Series Refu	$ 82,930,086	$ 89,711,698	88,891,990	$ 758,873.38	$ 89,711,543	$ 1	$ 13,990,813	$ 758,263
Interest Earned	$ 6,781,612	$ (0)				$ (0)		$ 5,032
Total Project Cost Funding	**$ 89,711,698**	**$ 89,711,698**	**88,891,990**	**$ 758,873.38**	**$ 89,711,543**	**$ 1**	**$ 13,990,813**	**$ 763,295**

GUAM WATERWORKS AUTHORITY
2016 Series Bond Project Status
As of Feb. 28, 2018

SCHEDULE L

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Water Booster Pump Station	$ 4,139,000	$ 4,139,000			$ -	$ 4,139,000	$ 4,139,000
Meter Replacement Program	$ 4,501,000	$ 4,501,000		150,000.00	$ 150,000	$ 4,351,000	$ 4,501,000
Barrigada Tank Repair/Replacement	$ 1,013,000	$ 1,013,000		-	$ -	$ 1,013,000	$ 1,013,000
Leak Detection	$ 1,180,000	$ 1,180,000		-	$ -	$ 1,180,000	$ 1,180,000
Potable Water System Planning	$ 2,276,000	$ 2,276,000	214,954	261,339.91	$ 476,294	$ 1,799,706	$ 2,061,046
Deep Well Rehabilitation	$ 250,000	$ 250,000		110,013.00	$ 110,013	$ 139,987	$ 250,000
New Deep Wells at Down Hard	$ 1,190,000	$ 1,190,000			$ -	$ 1,190,000	$ 1,190,000
Master Meters	$ 3,616,000	$ 3,616,000	112,199	39,339.84	$ 151,539	$ 3,464,461	$ 3,503,801
Ugum Water Treatment Plant Intake	$ 18,000	$ 18,000			$ -	$ 18,000	$ 18,000
Water Wells	$ 2,500,000	$ 2,500,000			$ -	$ 2,500,000	$ 2,500,000
Water Distribution System	$ 2,049,000	$ 49,000			$ -	$ 49,000	$ 49,000
Pressure Zone Realignment /	$ 1,141,000	$ 1,141,000		668,355.20	$ 668,355	$ 472,645	$ 1,141,000
Mechanical/Electrical Equipment	$ 100,000	$ 100,000			$ -	$ 100,000	$ 100,000
Water Reservoir Internal/External	$ 800,000	$ 800,000			$ -	$ 800,000	$ 800,000
Water System Reservoirs 2005 Improvements	$ 42,350,000	$ 28,350,000	1,820,465	8,635,484.26	$ 10,455,949	$ 17,894,051	$ 26,529,535
Ugum Water Treatment Plant Reservoir	$ 6,410,000	$ -			$ -	$ -	$ -
Water Audit Program & Water Loss Control Plan	$ 1,000,000	$ 1,000,000				$ 1,000,000	$ 1,000,000
Agana Heights & Chaot Tanks	$ 1,220,000	$ 1,220,000		500,000.00	$ 500,000	$ 720,000	$ 1,220,000
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 1,895,000	$ 1,895,000		1,822,132.80	$ 1,822,133	$ 72,867	$ 1,895,000
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 10,500,000	$ 7,409,830		7,300,000.00	$ 7,300,000	$ 109,830	$ 7,409,830
Fire Hydrant Replacement Program	$ 2,000,000	$ 2,000,000			$ -	$ 2,000,000	$ 2,000,000
						$ -	
Wastewater System Planning	$ 349,000	$ 349,000	49,760	263,222.72	$ 312,983	$ 36,017	$ 299,240
Lift Station Upgrades	$ 2,404,000	$ 2,404,000	98,716	166,039.41	$ 264,755	$ 2,139,245	$ 2,305,284
Wastewater Collection System Repl/Rehab	$ 2,920,000	$ 2,920,000		224,923.00	$ 224,923	$ 2,695,077	$ 2,920,000
Baza Gardens STP Replacement	$ 16,700,000	$ 29,400,170	8,384,317	20,735,331.58	$ 29,119,649	$ 280,521	$ 21,015,853
Facilities Plan/Design for Umatac-Merizo WWTP	$ 527,000	$ 527,000	192,266	59,839.09	$ 252,105	$ 274,895	$ 334,734
Agat/Santa Rita STP Replacement	$ 3,000,000	$ 3,000,000	512,452	607,247.53	$ 1,119,700	$ 1,880,300	$ 2,487,548
Agana WWTP Interim Measures	$ 827,000	$ 827,000			$ -	$ 827,000	$ 827,000
Umatac Merizo Replacement	$ 8,000,000	$ 20,800,000	2,309,168	18,295,086.32	$ 20,604,254	$ 195,746	$ 18,490,832
						$ -	
Wastewater Pump Station Electrical Upgrade	$ 100,000	$ 100,000			$ -	$ 100,000	$ 100,000
Electrical Upgrade - Water Wells	$ 650,000	$ 650,000			$ -	$ 650,000	$ 650,000
Electrical Upgrade - Water Booster	$ 323,000	$ 323,000			$ -	$ 323,000	$ 323,000
SCADA Improvements – Phase 3	$ 1,177,000	$ 1,177,000	18,000	599,496.51	$ 617,497	$ 559,503	$ 1,159,000
SCADA Improvements – Phase 4	$ 6,500,000	$ 6,500,000			$ -	$ 6,500,000	$ 6,500,000
						$ -	
Laboratory Modernization	$ 1,127,000	$ 1,127,000	1,127,000	-	$ 1,127,000	$ -	$ -
Land Survey	$ 1,998,000	$ 1,998,000	14,147	1,246,376.39	$ 1,260,524	$ 737,476	$ 1,983,853
General Plant Improvements / Water	$ 2,769,463	$ 2,769,463	455,777	1,042,198.14	$ 1,497,975	$ 1,271,488	$ 2,313,686
Information Technology Integration Improvements	$ 500,000	$ 500,000	244,068	-	$ 244,068	$ 255,932	$ 255,932
Interest Earned		$ -					$ 792,582
Total Construction Fund (2016 Series Revenue Bond)	**$ 140,019,463**	**$ 140,019,463**	**$ 15,553,289**	**$ 62,726,426**	**$ 78,279,715**	**$ 61,739,748**	**$ 125,258,756**

GUAM WATERWORKS AUTHORITY
2017 Series Refunding Bond Project Status
As of Feb. 28, 2018

SCHEDULE M

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Ground Water Disinfection	$ -	$ 500,000	$ 438,141	$ 61,859	$ 500,000	$ 0	$ 61,859
"A" Series Well Transmission Line	$ 600,000	$ 518,144	$ 474,434	$ 1,274	$ 475,709	$ 42,435	$ 43,710
Water Booster Pump Station	$ 500,000	$ 500,000	$ 418,844	$ 81,156	$ 500,000	$ (0)	$ 81,156
Meter Replacement Program	$ 2,500,000	$ 10,300,000	$ 10,254,220	$ 19,409	$ 10,273,628	$ 26,372	$ 45,780
Barrigada Tank Repair/Replacement	$ -	$ 5,450,000	$ 5,442,302	$ 7,698	$ 5,450,000	$ 0	$ 7,698
Leak Detection		$ 200,000	$ -	$ 200,000	$ 200,000	$ -	$ 200,000
Potable Water System Planning	$ 200,000	$ 200,000	$ 179,638	$ 20,362	$ 200,000	$ -	$ 20,362
Implement Ground Water Rule		$ 1,700,000	$ 1,499,464	$ 200,535	$ 1,700,000	$ 1	$ 200,536
Brigade II (Ugum Lift) BPS Upgrade	$ 1,200,000	$ 1,700,000	$ 135,695	$ 202,199	$ 337,895	$ 1,362,105	$ 1,564,305
Deep Well Rehabilitation	$ 548,000	$ 548,000	$ 548,000	$ -	$ 548,000	$ -	$ -
New Deep Wells at Down Hard	$ 3,773,000	$ 638,252	$ 485,743	$ -	$ 485,743	$ 152,509	$ 152,509
Rehabilitation of Asan Springs	$ 900,000	$ 900,000	$ 188,771	$ 152,068	$ 340,838	$ 559,162	$ 711,229
Master Meters	$ 1,600,000	$ 1,600,000	$ 1,421,267	$ 68,690	$ 1,489,957	$ 110,043	$ 178,733
Ugum Water Treatment Plant Intake	$ 3,670,000	$ 700,000	$ 543,615	$ 156,385	$ 700,000	$ -	$ 156,385
Water Wells	$ 2,000,000	$ -	$ -		$ -	$ -	$ -
Water Distribution System	$ 384,000	$ 3,174,748	$ 3,174,748	$ -	$ 3,174,748	$ (0)	$ (0)
Pressure Zone Realignment /	$ 3,550,000	$ -	$ -		$ -	$ -	$ -
Northern System Water Distribution	$ 2,725,000	$ -	$ -	$ -	$ -	$ -	$ -
Central Water Distribution System 2005	$ 1,200,000	$ 900,000	$ 728,780	$ 46,222	$ 775,002	$ 124,998	$ 171,220
Southern Water Distribution System	$ 1,800,000	$ -	$ -		$ -	$ -	$ -
Mechanical/Electrical Equipment	$ 1,360,000	$ 1,200,000	$ 1,079,495	$ 120,505	$ 1,200,000	$ (0)	$ 120,505
Water Reservoir Internal/External	$ 500,000	$ 2,000,000	$ 1,033,356	$ 476,027	$ 1,509,384	$ 490,616	$ 966,644
Water Reservoir Internal/External	$ 2,400,000	$ -	$ -		$ -	$ -	$ -
Water System Reservoirs 2005 Improvements	$ 11,697,000	$ 1,050,000	$ 1,050,000		$ 1,050,000	$ 0	$ 0
Distribution System Upgrades	$ 3,182,000	$ 474,160	$ 451,462	$ 22,698	$ 474,160	$ 0	$ 22,698
Ugum Water Treatment Plant Reservoir	$ 3,672,000	$ -	$ -		$ -	$ -	$ -
Water Audit Program & Water Loss Control Plan		$ 100,000	$ 15,031	$ 63,428	$ 78,459	$ 21,541	$ 84,970
Production Plan / Reduce Navy Purchases		$ 100,000	$ 94,286	$ 5,714	$ 100,000	$ -	$ 5,714
Hydraulic Asessment of Tank		$ 500,000	$ 497,004	$ 2,996	$ 500,000	$ -	$ 2,996
Agana Heights & Chaot Tanks		$ 4,700,000	$ 4,327,370	$ 372,630	$ 4,700,000	$ -	$ 372,630
Tank Major Repair Yigo#1 Mangilao#2 Agat#2		$ 1,900,000	$ 1,750,355	$ 97,659	$ 1,848,013	$ 51,987	$ 149,645
Tank Major Repair Yigo#1 Mangilao#2 Agat#2		$ -			$ -	$ -	$ -
Assessment of malojloj Elevetad & Yigo Elevated		$ 200,000	$ 200,000	$ -	$ 200,000	$ -	$ -
Public Water System Asser Inventory/Condition Assesment		$ 100,000	$ 96,554	$ 3,446	$ 100,000	$ -	$ 3,446
Public Water System GIS & Mapping		$ 50,000	$ 50,000	$ -	$ 50,000	$ -	$ -
		$ -			$ -	$ -	$ -
Wastewater System Planning	$ 1,500,000	$ 1,500,000	$ 1,465,858	$ 8,142	$ 1,474,000	$ 26,000	$ 34,142
Wastewater Vehicles	$ 235,000	$ 235,000	$ 209,795	$ 25,205	$ 235,000	$ 0	$ 25,205
NDWWTP - Chlorine Tanks	$ 250,000	$ 250,000	$ 250,000		$ 250,000	$ -	$ -
Tumon Bay Sewer Upgrades	$ 100,000	$ -	$ -		$ -	$ -	$ -
Wastewater Collection System Repl/Rehab		$ 1,105,000	$ 718,036	$ 283,287	$ 1,001,323	$ 103,677	$ 386,964
Facilities Plan/Design for Baza Gardens WWTP	$ 1,250,000	$ 1,250,000	$ 1,239,250	$ 10,750	$ 1,250,000	$ -	$ 10,750
Facilities Plan/Design for Agat-Santa Rita WWTP	$ 900,000	$ 899,630	$ 881,749	$ 17,881	$ 899,630	$ -	$ 17,881
Priority 1 Sewer Upgrades – Baza Gardens WWTP	$ 650,000	$ -	$ -		$ -	$ -	$ -
Baza Gardens STP Replacement	$ 3,567,000	$ 1,301,947	$ 316,686	$ 314	$ 317,000	$ 984,947	$ 985,261
Facilities Plan/Design for Umatac Merizo WWTP		$ 900,000	$ 739,957	$ 113,901	$ 853,858	$ 46,142	$ 160,043
Agat/Santa Rita STP Replacement	$ 2,968,000	$ 2,218,000	$ 2,217,314	$ 387	$ 2,217,701	$ 300	$ 686
Northern District WWTP Primary Treatment Upgrades	$ -	$ 11,750,000	$ 11,532,253	$ 211,261	$ 11,743,514	$ 6,486	$ 217,747
Biosolids Management Plan		$ 200,000	$ 196,414	$ 3,586	$ 200,000	$ -	$ 3,586
Agana WWTP Interim Measures	$ -	$ 11,500,000	$ 11,242,386	$ 57,614	$ 11,300,000	$ 200,000	$ 257,614
I&I SSES Southern		$ 800,000	$ 778,374	$ 21,626	$ 800,000	$ (0)	$ 21,626
I&I SSES Central		$ 850,000	$ 794,325	$ 55,675	$ 850,000	$ -	$ 55,675
I&I SSES Northern		$ -			$ -	$ -	$ -
Umatac Merizo Replacement		$ 250,000	$ 247,431	$ 2,569	$ 250,000	$ -	$ 2,569
Northern District WWTP Secondary Treatment Upgrades		$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000
		$ -					
Well Electrical Protection	$ 26,000	$ -	$ -		$ -	$ -	$ -
SCADA Pilot Project	$ 300,000	$ 61,950	$ 19,812	$ 42,138	$ 61,950	$ (0)	$ 42,138
Electrical Upgrade - Water Wells	$ 3,000,000	$ 354,227	$ 335,378	$ 18,849	$ 354,227	$ 0	$ 18,849
Electrical Upgrade - Water Booster	$ 325,000	$ -	$ -		$ -	$ -	$ -
Electrical Upgrade -Water Booster	$ 350,000	$ -	$ -		$ -	$ -	$ -
Electrical Upgrade - Other Water	$ 250,000	$ -			$ -	$ -	$ -
SCADA Improvements – Phase 1	$ 250,000	$ 250,000	$ 193,989	$ 56,011	$ 250,000	$ -	$ 56,011
SCADA Improvements – Phase 2	$ 1,100,000	$ 1,056,986	$ 1,027,424	$ 29,562	$ 1,056,986	$ -	$ 29,562
SCADA Improvements – Phase 3	$ 2,500,000	$ 24,956	$ 24,956	$ -	$ 24,956	$ 0	$ 0
SCADA Improvements – Phase 4	$ 850,000	$ -	$ -		$ -	$ -	$ -
		$ -					
Laboratory Modernization	$ 1,200,000	$ -	$ -		$ -	$ -	$ -
Land Survey	$ 1,500,000	$ 500,000	$ 470,590	$ 29,097	$ 499,687	$ 313	$ 29,410
General Plant Improvements / Water	$ 14,370,000	$ 7,241,000	$ 7,241,000	$ 0	$ 7,241,000	$ 0	$ 0
Interest Earned							$ 88,218
Total Construction Fund (2010 Series Revenue Bond)	**$ 87,402,000**	**$ 87,402,000**	**$ 78,721,552**	**$ 4,370,814**	**$ 83,092,366**	**$ 4,309,634**	**$ 8,768,666**

1.) PUC's Docket 11-01 $29,000,000.00 dated
09/19/11authorized GWA for reallocation
2) PUC's Docket 11-01 Reallocation of $23,246,000.00 dated 07/30/12
3) PUC's Dockect Reallocation dated February 2013

GUAM WATERWORKS AUTHORITY
Schedule of Series 2013, 2014 Refunding, 2016 and 2017 Refunding Bond Bank Accounts
As of February 28, 2018

SCHEDULE N

	2/28/2018
BANK OF GUAM	
BOG - Revenue Account	7,778,784
BOG - Operations and Maintenance Reserve	3,083,482
BOG - Operations, Maintenance, Renewal and Replacement Reserve Fund	17,423,213
BOG - Capital Improvement Fund	1,917,781
BOG - O & M Reserve	13,559,735
BOG - Debt Service Reserve	11,253,683
BOG - CAPEX Reserve	15,510,753
Total BOG Bank Account Balance	**70,527,432**
Series 2013 Bond:	
BOG - Construction Fund	57,265,927
USB - Debt Service Fund	1,566,065
USB - Debt Service Reserve Fund	12,031,688
Total Series 2013 Bond Bank Balance	**70,863,680**
Series 2014 Refunding Bond:	
BOG - Construction Fund	763,295
USB - Debt Service Fund	2,943,036
USB - Debt Service Reserve Fund	7,781,747
Total Series 2014 Refunding Bond Bank Balance	**11,488,077**
Series 2016 Bond:	
BOG - Construction Account	125,258,757
BOG - Capitalized Interest Fund	2
USB - Debt Service Fund	1,195,618
USB - Debt Service Reserve Fund	7,594,585
Total Series 2016 Bond Bank Balance	**134,048,962**
Series 2017 Refunding Bond:	
BOG - Construction Account	8,768,666
BOG - Cost of Issuance Fund	47,463
USB - Debt Service Fund	2,330,859
USB - Debt Service Reserve Fund	7,566,460
Total Series 2017 Refunding Bond Bank Balance	**18,713,448**

GUAM WATERWORKS AUTHORITY

Guam Waterworks Authority

VEHICLE FLEET STATUS

3/9/2018

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe	5	2	3	40%
Bobcat	1	1	0	100%
Boom Truck	2	0	2	0%
Crane	2	0	2	0%
Dump Truck	3	2	1	67%
Flat Bed	1	0	1	0%
Forklift	7	6	1	86%
Fuel Tanker	1	1	0	100%
Heavy Duty	3	0	3	0%
Light	150	101	49	67%
Mini Backhoe	4	1	3	25%
Pumper Truck	1	1	0	100%
Sludge Truck	4	3	1	75%
Tow	1	0	1	0%
Tractor	2	2	0	100%
Trailer	12	8	4	67%
Trencher	1	1	0	100%
Vaccon	1	1	0	100%
Vacuum Truck	3	3	0	100%
Water Buffalo	2	2	0	100%
Water Tanker	5	1	4	20%
Total	211	136	75	

SUMMARY						
Operational	Operational w/Rprs Pending	In Shop-Accident Repairs	In Shop-Assessment Pending	In Shop-Repairs Pending	In Shop-Vendor Repairs	Recommend Survey
2	0	0	0	1	0	2
1	0	0	0	0	0	0
0	0	0	0	2	0	0
0	0	0	0	0	1	1
1	1	0	0	1	0	0
0	0	0	0	0	0	1
6	0	0	0	0	0	1
1	0	0	0	0	0	0
0	0	0	0	0	2	1
98	3	0	7	5	6	31
1	0	0	1	2	0	0
0	1	0	0	0	0	0
3	0	0	0	0	1	0
0	0	0	0	0	0	1
2	0	0	0	0	0	0
8	0	0	0	1	1	2
1	0	0	0	0	0	0
1	0	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	0	0	0
1	0	0	0	3	0	1
131	5	0	8	15	11	41

Guam Waterworks Authority	Date: 3/9/2018
	Time:

REVIEWS			
TOTAL PUMPS INSTALLED	51	OVERAL AVERAGE	95%
TOTAL PUMPS OPERATIONAL	48	% OF OPERATING PUMPS	94%
TOTAL BOOSTER PUMP STATIONS	25		

GUAM WATERWORKS AUTHORITY

WATER DISTRIBUTION FACILITIES REPORT

Northern District

NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Gayinero	20	2	2	100%	OP	A						
2	Mataguac	25	2	1	50%	OP	A	Pump motor burnt.					
3	Santa Rosa	15	2	2	100%	OP	A						
4	Hyundai	40	2	1	50%	OP	A	Pump # 1 requires pump and motor. Station to undergo renovation during reservoir project.					
5	Access	60	2	2	100%	OP	A						
6	Chln. Palauan	5	2	2	100%	N/A							
7	Nimitz Hill	7.5	2	2	100%	N/A							
8	Adawag	1.5	2	1	50%	N/A				Electrical for pump control defective. Materials being procured.			
9	Pale Kiren	1	1	1	100%	N/A							
10	Ulloa/Untalan	1	2	2	100%	OP	A						
11	Latte Heights	15	2	2	100%	OP	A						
	TOTAL = 11		**21**	**18**	**86%**								
pump availability =no of operational pumps/no of pumps*100%													

Central District

NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	0P	A	Pump 2 leaking at seal, pump operational, work ongoing.					
2	Brigade	60	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	3	100%	OP	A						
4	Santa Rita Springs	40	2	2	100%	OP	A						
5	Santa Ana (Lower)	25	2	2	100%	N/A						CIP required for new unit and electrical for generator	
6	Camacho	1	1	1	100%	N/A						CIP required for new unit and electrical for generator	
7	Tenorio	1.5	1	1	100%	N/A						CIP required for new unit and electrical for generator	
	Total=7		**15**	**15**	**100%**								
pump availability =no of operational pumps/no of pumps*100%													

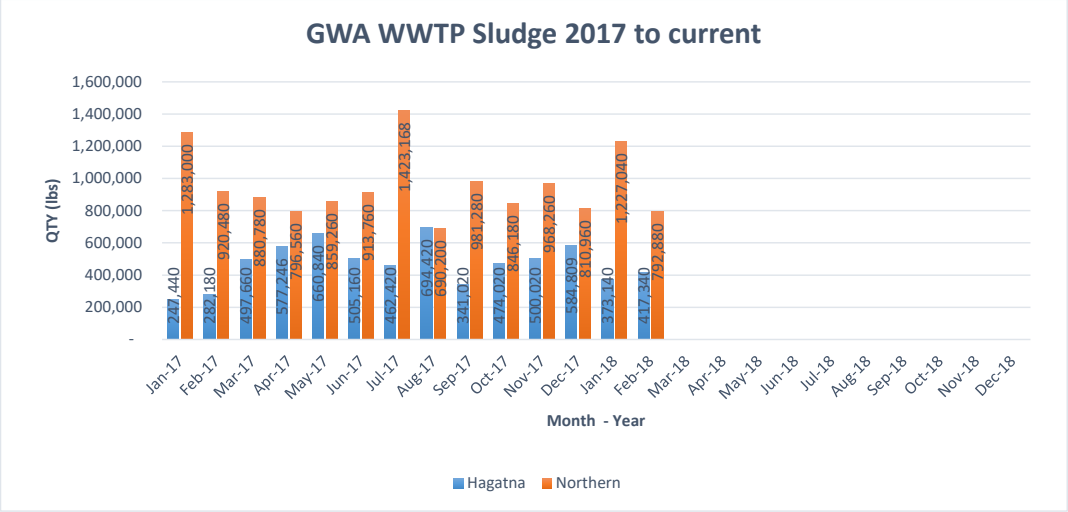
Southern District

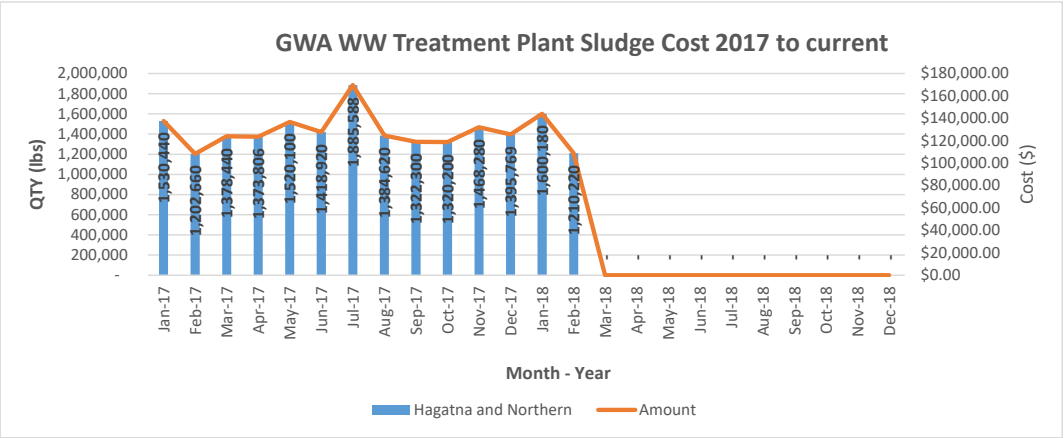
NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Malojloj Line	125 / 50	3	3	100%	OP	A						
2	Geus	25	2	2	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A							
4	Toguan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	2	2	100%	OP	A						
	Total=7		**15**	**15**	**100%**								
pump availability =no of operational pumps/no of pumps*100%													

	Hagatna		Northern		Hagatna and Northern	
2017	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	$	lbs	$	lbs	$
Jan-17	247,440	$22,269.60	1,283,000	$115,470.00	1,530,440	$137,739.60
Feb-17	282,180	$25,396.20	920,480	$82,843.20	1,202,660	$108,239.40
Mar-17	497,660	$44,789.40	880,780	$79,270.20	1,378,440	$124,059.60
Apr-17	577,246	$51,952.14	796,560	$71,690.40	1,373,806	$123,642.54
May-17	660,840	$59,475.60	859,260	$77,333.40	1,520,100	$136,809.00
Jun-17	505,160	$45,464.40	913,760	$82,238.40	1,418,920	$127,702.80
Jul-17	462,420	$41,617.80	1,423,168	$128,085.12	1,885,588	$169,702.92
Aug-17	694,420	$62,497.80	690,200	$62,118.00	1,384,620	$124,615.80
Sep-17	341,020	$30,691.80	981,280	$88,315.20	1,322,300	$119,007.00
Oct-17	474,020	$42,661.80	846,180	$76,156.20	1,320,200	$118,818.00
Nov-17	500,020	$45,001.80	968,260	$87,143.40	1,468,280	$132,145.20
Dec-17	584,809	$52,632.81	810,960	$72,986.40	1,395,769	$125,619.21
Grand Total	5827235	$524,451.15	11373888	$1,023,649.92	17201123	$1,548,101.07

	Hagatna		Northern		Hagatna and Northern	
2018	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	$	lbs	$	lbs	$
Jan-18	373,140	$33,582.60	1,227,040	$110,433.60	1,600,180	$144,016.20
Feb-18	417,340	$37,560.60	792,880	$71,359.20	1,210,220	$108,919.80
Mar-18		$0.00		$0.00	-	$0.00
Apr-18		$0.00		$0.00	-	$0.00
May-18		$0.00		$0.00	-	$0.00
Jun-18		$0.00		$0.00	-	$0.00
Jul-18		$0.00		$0.00	-	$0.00
Aug-18		$0.00		$0.00	-	$0.00
Sep-18		$0.00		$0.00	-	$0.00
Oct-18		$0.00		$0.00	-	$0.00
Nov-18		$0.00		$0.00	-	$0.00
Dec-18		$0.00		$0.00	-	$0.00
Grand Total	790480	$71,143.20	2019920	$181,792.80	2810400	$252,936.00

Hagatna and Northern WWTP Sludge Report 2016, GWA Operations kcog / df, 3/14/2018


GWA WWTP Sludge 2017 to current
QTY (lbs)
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
247,440
1,283,000
282,180
920,480
497,660
880,780
577,246
796,560
660,840
859,260
505,160
913,760
462,420
1,423,168
694,420
690,200
341,020
981,280
474,020
846,180
500,020
968,260
584,809
810,960
373,240
1,227,040
417,340
792,880
Jan-17
Feb-17
Mar-17
Apr-17
May-17
Jun-17
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18
Mar-18
Apr-18
May-18
Jun-18
Jul-18
Aug-18
Sep-18
Oct-18
Nov-18
Dec-18
Month - Year
Hagatna
Northern

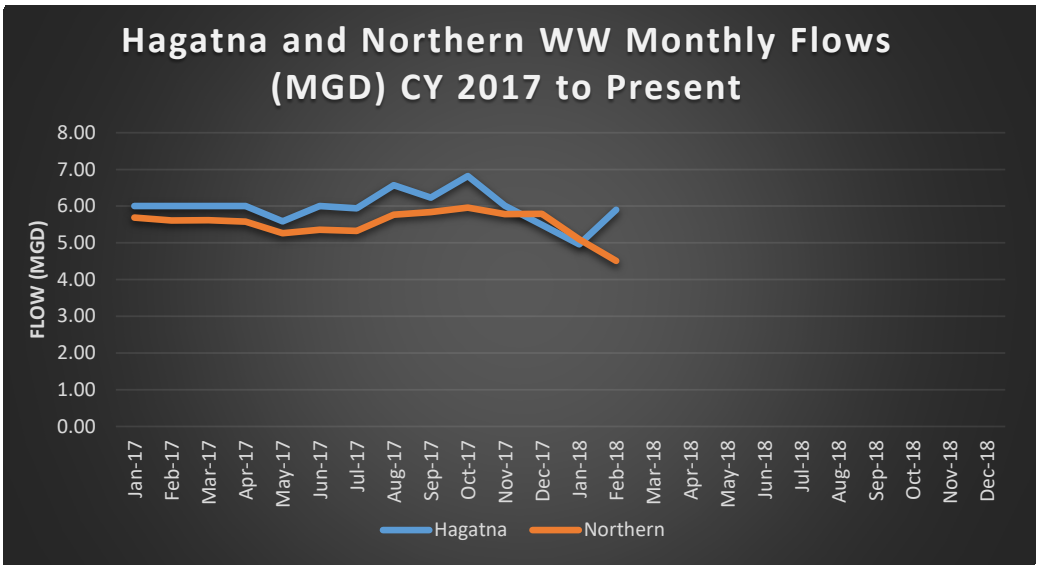

GWA WW Treatment Plant Sludge Cost 2017 to current
QTY (lbs)
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
1,530,440
1,202,660
1,378,440
1,373,806
1,520,100
1,418,920
1,885,589
1,384,620
1,322,300
1,320,200
1,468,280
1,395,769
1,600,180
1,210,220
$180,000.00
$160,000.00
$140,000.00
$120,000.00
$100,000.00
$80,000.00
$60,000.00
$40,000.00
$20,000.00
$0.00
Cost ($)
Jan-17
Feb-17
Mar-17
Apr-17
May-17
Jun-17
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18
Mar-18
Apr-18
May-18
Jun-18
Jul-18
Aug-18
Sep-18
Oct-18
Nov-18
Dec-18
Month - Year
Hagatna and Northern
Amount

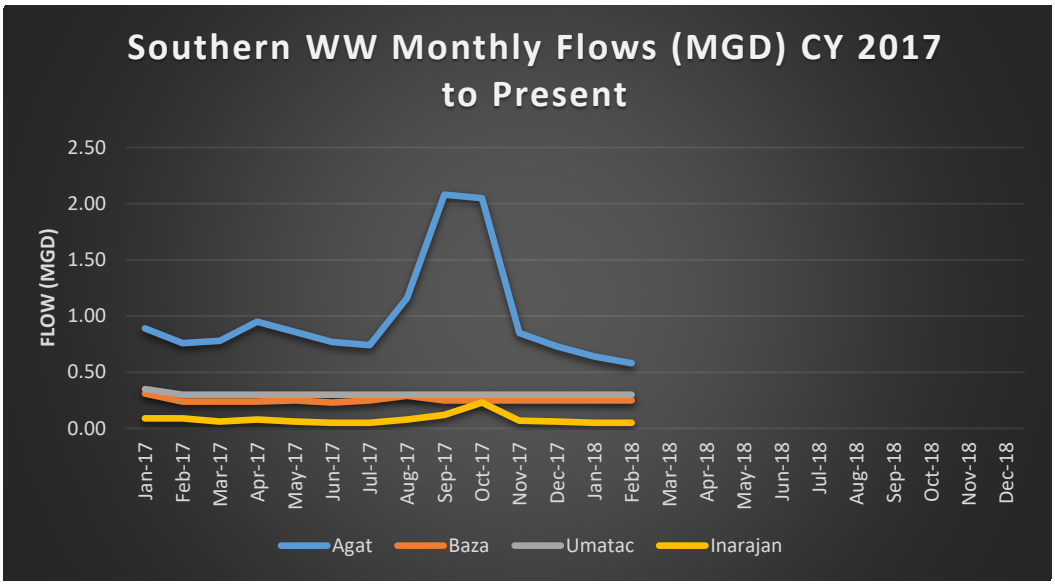
Wastewater Treatment Plant Average Monthy Flows Million Gallons Per Day

2017	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-17	6.00	5.69	0.89	0.31	0.35	0.09
Feb-17	6.00	5.61	0.76	0.24	0.30	0.09
Mar-17	6.00	5.62	0.78	0.24	0.30	0.06
Apr-17	6.00	5.58	0.95	0.24	0.30	0.08
May-17	5.59	5.26	0.86	0.25	0.30	0.06
Jun-17	6.00	5.36	0.77	0.23	0.30	0.05
Jul-17	5.94	5.33	0.74	0.25	0.30	0.05
Aug-17	6.57	5.77	1.16	0.29	0.30	0.08
Sep-17	6.23	5.84	2.08	0.25	0.30	0.12
Oct-17	6.82	5.96	2.05	0.25	0.30	0.23
Nov-17	6.01	5.78	0.85	0.25	0.30	0.07
Dec-17	5.49	5.79	0.73	0.25	0.30	0.06
2017 Average MGD	**6.05**	**5.63**	**1.05**	**0.25**	**0.30**	**0.09**
2017 Total MGY	2,210	2,056	384	93	111	32

2018	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-18	4.96	5.10	0.64	0.25	0.30	0.05
Feb-18	5.90	4.51	0.58	0.25	0.30	0.05
Mar-18						
Apr-18						
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18						
Dec-18						
2018 Average MGD	**5.43**	**4.81**	**0.61**	**0.25**	**0.30**	**0.05**
2018 Total MGY	1,982	1,754	223	91	110	18

GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018





GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018

Wastewater Treatment Plant Average Monthy Flows Million Gallons Per Day

	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
DESIGN FLOWS (MGD)	12.0	12.0	0.75	0.60	0.39	0.19

2013	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-13	5.72	5.23	0.83	0.06	0.16	0.07
Feb-13	5.94	5.38	0.71	0.05	0.11	0.07
Mar-13	5.70	5.34	0.75	0.06	0.16	0.07
Apr-13	5.50	5.23	0.69	0.05	0.09	0.08
May-13	5.72	5.15	0.92	0.07	0.14	0.07
Jun-13	5.69	5.27	0.80	0.06	0.25	0.06
Jul-13	5.82	5.48	0.80	0.08	0.24	0.08
Aug-13	6.02	5.68	1.02	0.08	0.22	0.08
Sep-13	6.56	6.33	1.42	0.04	0.75	0.04
Oct-13	6.88	6.20	1.63	0.05	0.63	0.05
Nov-13	5.99	5.67	1.07	0.12	0.57	0.12
Dec-13	5.92	5.56	0.80	0.06	0.67	0.06
2013 Ave MGD	**5.96**	**5.54**	**0.95**	**0.07**	**0.33**	**0.07**
2013 Total MGY	2,174	2,023	348	24	121	26

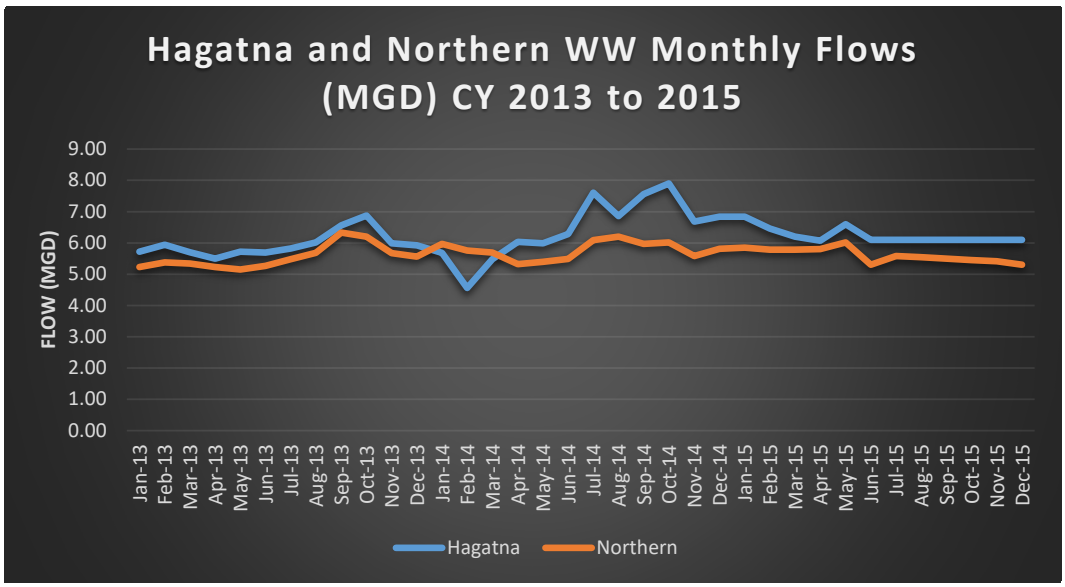
2014	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-14	5.68	5.97	1.13	0.09	0.72	0.07
Feb-14	4.56	5.76	1.12	0.11	0.99	0.16
Mar-14	5.48	5.69	0.7	0.14	0.78	0.06
Apr-14	6.03	5.32	0.67	0.09	0.52	0.05
May-14	5.99	5.4	0.66	0.09	0.31	0.05
Jun-14	6.28	5.49	0.67	0.09	0.28	0.05
Jul-14	7.61	6.09	1.34	0.09	0.39	0.13
Aug-14	6.86	6.2	1.46	0.09	0.27	0.15
Sep-14	7.56	5.97	1.45	0.37	0.35	0.11
Oct-14	7.9	6.02	2.01	0.38	0.93	0.19
Nov-14	6.68	5.58	1.35	0.22	0.27	0.14
Dec-14	6.84	5.81	0.86	0.15	0.16	0.07
2014 Ave MGD	**6.46**	**5.78**	**1.12**	**0.16**	**0.50**	**0.10**
2014 Total MGY	2,356	2,108	408	58	182	37

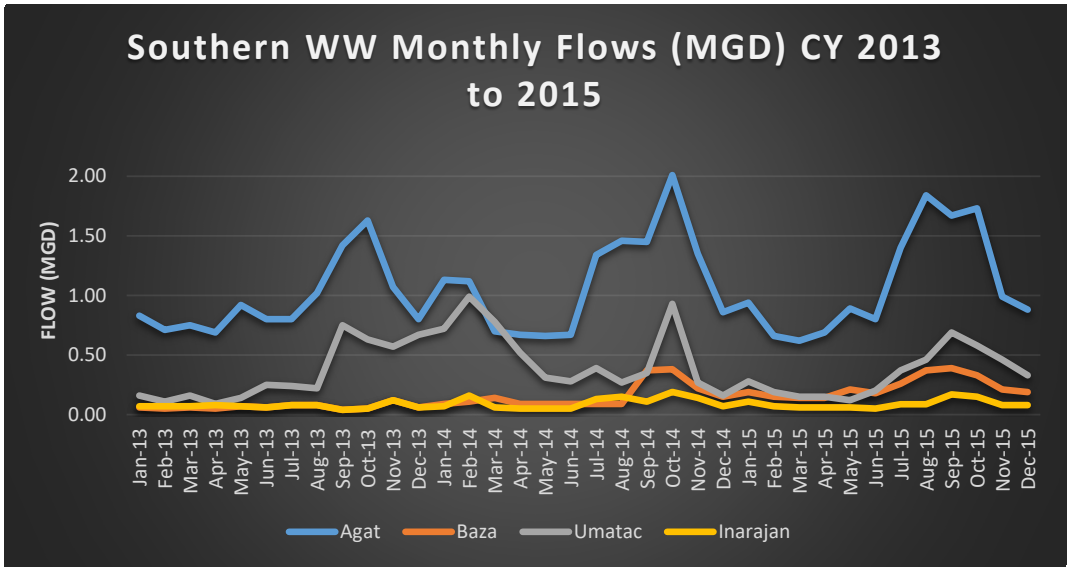
2015	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-15	6.84	5.85	0.94	0.19	0.28	0.11
Feb-15	6.46	5.78	0.66	0.15	0.19	0.07
Mar-15	6.20	5.78	0.62	0.14	0.15	0.06
Apr-15	6.07	5.80	0.69	0.14	0.15	0.06
May-15	6.60	6.02	0.89	0.21	0.12	0.06
Jun-15	6.10	5.30	0.80	0.18	0.20	0.05
Jul-15	6.10	5.58	1.40	0.26	0.37	0.09
Aug-15	6.10	5.54	1.84	0.37	0.46	0.09
Sep-15	6.10	5.50	1.67	0.39	0.69	0.17
Oct-15	6.10	5.45	1.73	0.33	0.58	0.15
Nov-15	6.10	5.41	0.99	0.21	0.46	0.08
Dec-15	6.10	5.30	0.88	0.19	0.33	0.08
2015 Ave MGD	**6.24**	**5.61**	**1.09**	**0.23**	**0.33**	**0.09**
2015 Total MGY	2,277	2,047	399	84	121	32

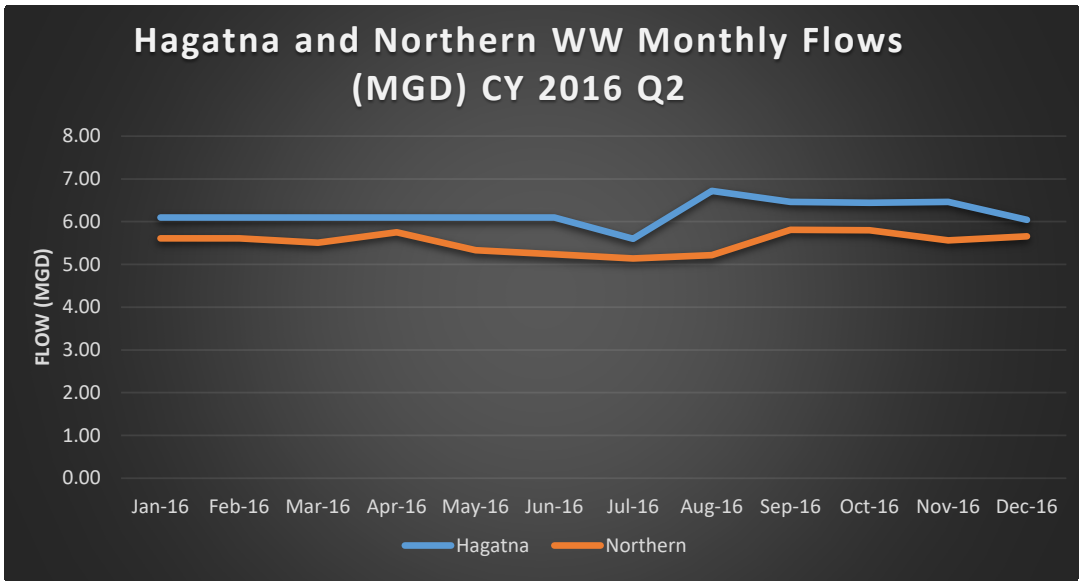
GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018

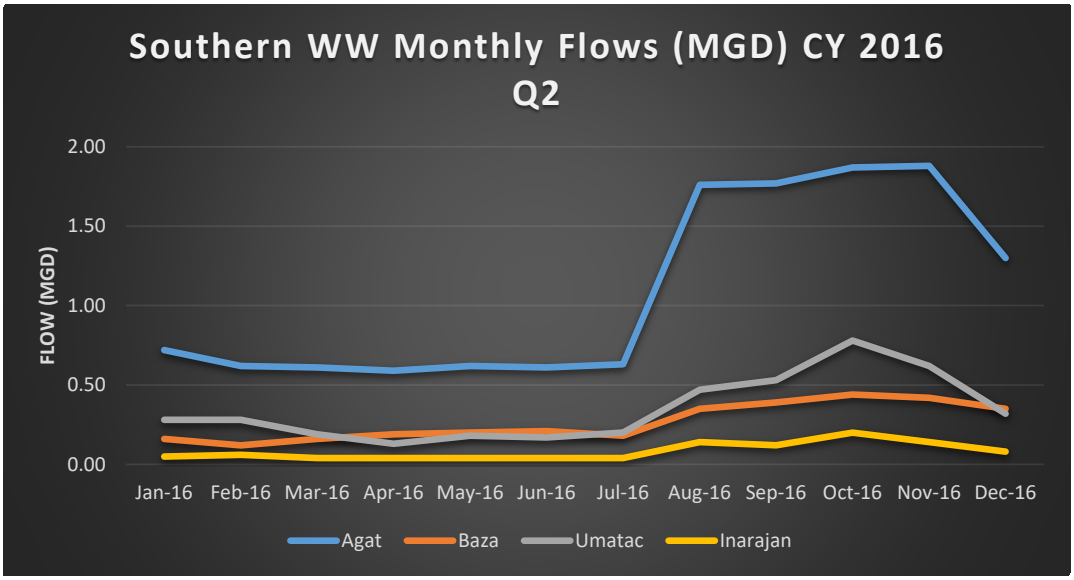
2016	Hagatna	Northern	Agat	Baza	Umatac	Inarajan
Jan-16	6.10	5.61	0.72	0.16	0.28	0.05
Feb-16	6.10	5.61	0.62	0.12	0.28	0.06
Mar-16	6.10	5.51	0.61	0.16	0.19	0.04
Apr-16	6.10	5.75	0.59	0.19	0.13	0.04
May-16	6.10	5.33	0.62	0.20	0.18	0.04
Jun-16	6.10	5.24	0.61	0.21	0.17	0.04
Jul-16	5.60	5.14	0.63	0.18	0.20	0.04
Aug-16	6.72	5.22	1.76	0.35	0.47	0.14
Sep-16	6.46	5.81	1.77	0.39	0.53	0.12
Oct-16	6.44	5.80	1.87	0.44	0.78	0.20
Nov-16	6.46	5.56	1.88	0.42	0.62	0.14
Dec-16	6.04	5.66	1.30	0.35	0.32	0.08
Average MGD	**6.19**	**5.52**	**1.08**	**0.26**	**0.35**	**0.08**
2016 Total MGY	**2,261**	**2,015**	**395**	**96**	**126**	**30**

GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018

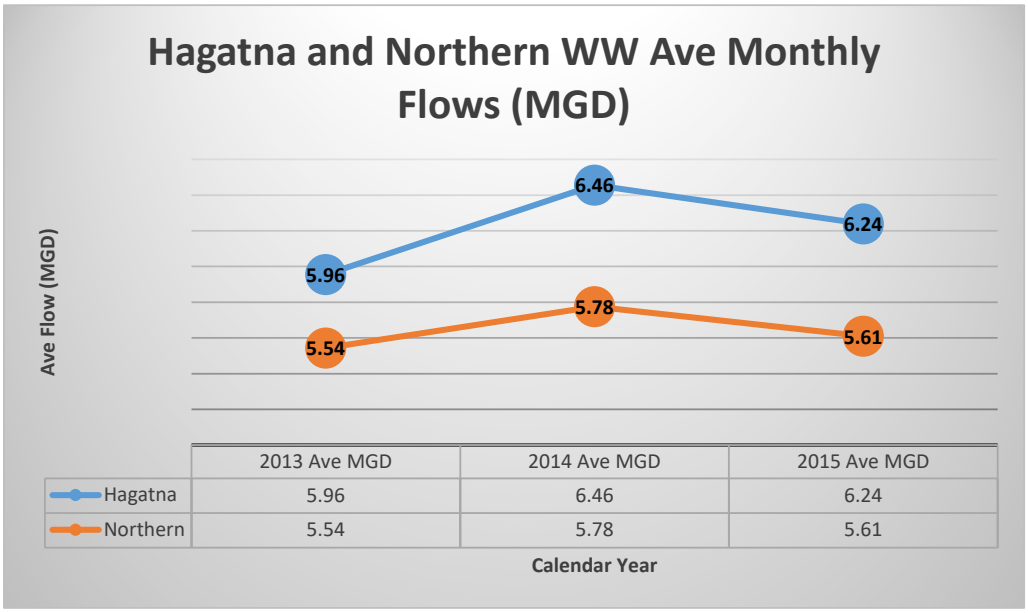

Hagatna and Northern WW Monthly Flows (MGD) CY 2013 to 2015
FLOW (MGD)
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jan-13 Feb-13 Mar-13 Apr-13 May-13 Jun-13 Jul-13 Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15 Apr-15 May-15 Jun-15 Jul-15 Aug-15 Sep-15 Oct-15 Nov-15 Dec-15
Hagatna
Northern

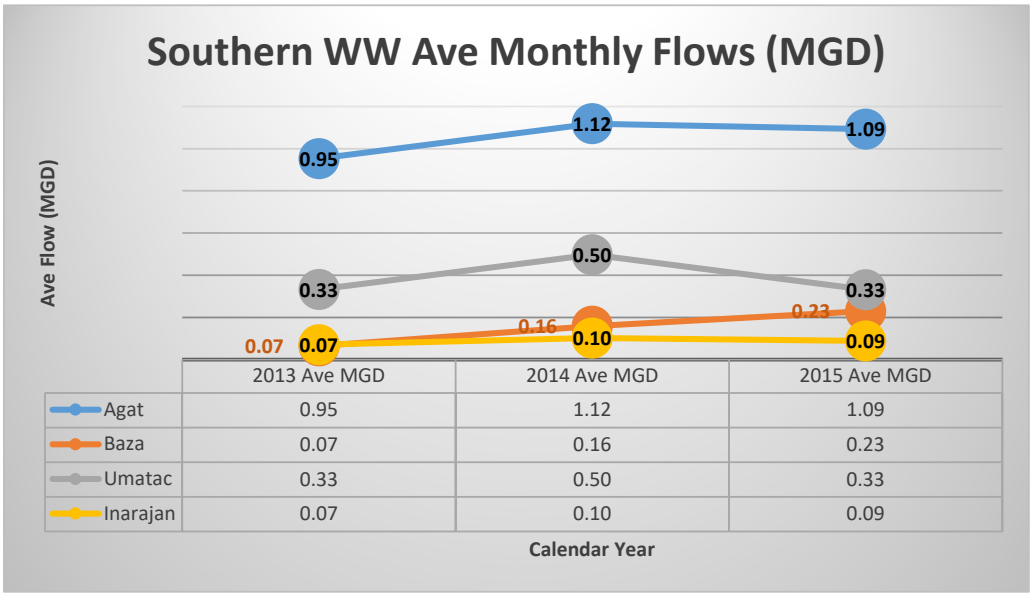

Southern WW Monthly Flows (MGD) CY 2013 to 2015
FLOW (MGD)
2.00
1.50
1.00
0.50
0.00
Jan-13 Feb-13 Mar-13 Apr-13 May-13 Jun-13 Jul-13 Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15 Apr-15 May-15 Jun-15 Jul-15 Aug-15 Sep-15 Oct-15 Nov-15 Dec-15
Agat
Baza
Umatac
Inarajan



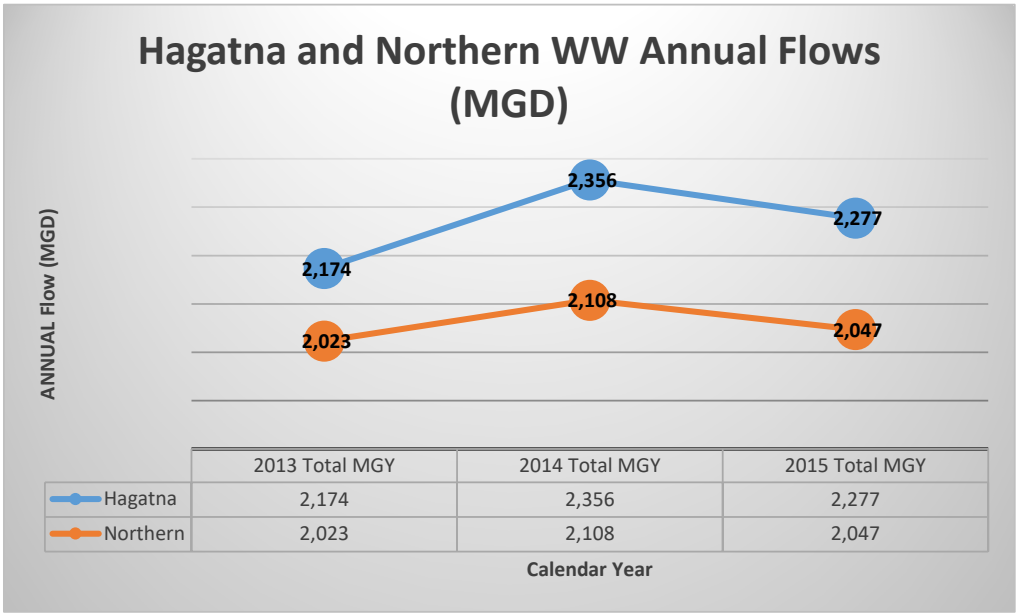


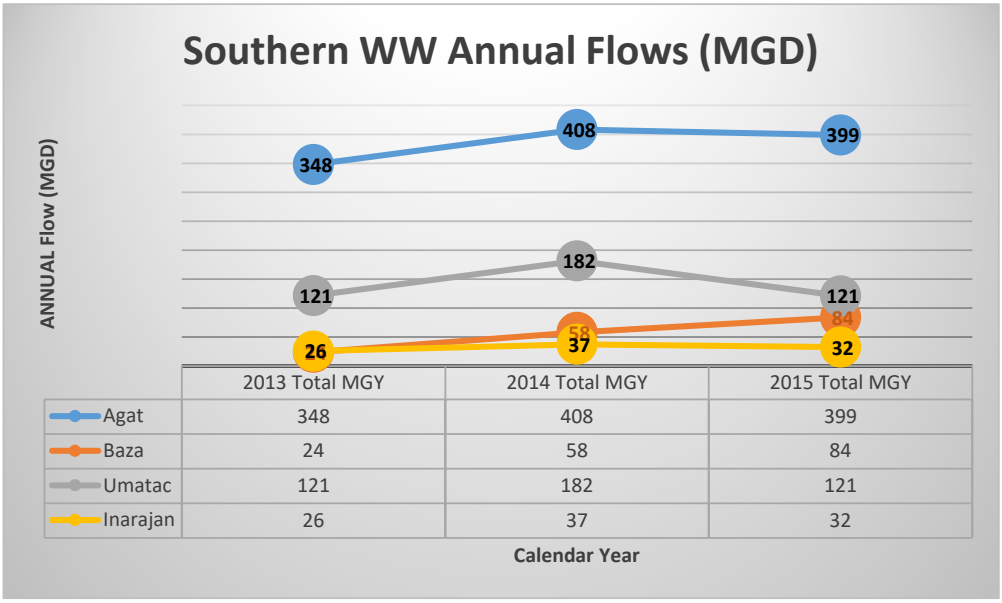
GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018





GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018





GWA WWT Flow Report 2013 to Present, prepared by kcog/df, 3/14/2018

Guam Waterworks Authority	Date: 3/1/2018 Time:

REVIEWS			
TOTAL PUMPS INSTALLED	169	OVERAL AVERAGE	84%
TOTAL PUMPS OPERATIONAL	141	% OF OPERATING PUMPS	83%
TOTAL PUMP STATIONS	78		

GUAM WATERWORKS AUTHORITY

WASTEWATER FACILITIES REPORT

Northern District

NO:	FACILITY	Priority Listing	NO OF INSTALLED	NO OF OPERATIONAL	PUMP AVAILABILITY %	Pump NO.	Action Required	Ref. No./Date	PUMP UNIT REMARKS	Additional Remarks
1	FUJITA					1	Pump #1 installed back from line #2 to line #1(still off-line) ***awaiting electrician's assessment on pump***	2/28/2018		Check valve installed on line #1 on 2/27/18
						2	Pump #2 original installed	2/28/2018		
							*Back online	3/1/2018		
						3				
						4				
			4	3	75%					
2	Southern Link					1				
						2				
						3				
						4	Pump #4 suction clogged			
			4	3	75%					
3	Route #16					1				
						2				
						3				
						4	VFD Issues			
			4	4	100%					
4	HARMON					1				
						2	Pump #2 at Washland for open winding	PO #301753		
			2	1	50%					
5	MACHECHE					1				
						2				
			2	2	100%					
6	LATTE DOUBLE TROUBLE					1				
						2				
			2	2	100%					
7	LATTE SUBMARINE					1				
						2				
			2	2	100%					
8	MACHANAO					1				
						2				
			2	2	100%					
9	YPAOPAO ESTATES					1				
						2				
						3				
			3	3	100%					
10	PGD					1				
						2				
			2	2	100%					
11	LATTE PLANTATION					1				
						2				
			2	2	100%					
12	PASEO DE ORO					1				
						2				
			2	2	100%					
13	ASTUMBO #1					1				
						2				
			2	2	100%					
14	ASTUMBO #2					1				
						2				
			2	2	100%					
15	FEMA '96					1				
						2				
			2	2	100%					
						1				

16	LATTE SUN RISE					2				
			2	2	100%					
17	HAFA ADAI					1				
						2				
			2	2	100%					
18	PACIFIC LATTE					1				
						2				
			2	2	100%					
19	SANTA ANA					1				
						2				
			2	2	100%					
20	ZERO DOWN					1				
						2				
			2	2	100%					
21	Yigo PS					1				
						2	Pump #2 at JMI for rewinding	PO 301754		
						3	Pump #3 awaiting installation of discharge valve. Shutdown of station needed. Detry, Ben Lujan & PGE Pumpper Trucks.	OQ #s 31651, 31652, 31654		
			3	1	33%					
22	Ypao PS					1	**Cooling chamber jacket welded. Pump #1 back online**	**2/20/2018**		
						2				
			2	2	100%					
	Northern TP									
	TOTAL = 22		**52**	**47**	**90%**					
	Central District									

NO:	FACILITY	Priority Listing	NO OF INSTALLED	NO OF OPERATIONAL	PUMP AVAILABILITY %	Pump NO.	Action Required	Ref. No./Date	PUMP UNIT REMARKS	Additional Remarks
1	AGANA MAIN					1				
						2	Pump #2 taken out (2/13/18) and sent to JMI due to seals leaking	OQ#32161 OR#31950 2/21/18		
						3				
						4				
			4	3	75.00%					
2	CHAOT					1				
						2				
						3				
			3	3	100.00%					
3	MAMAJANAO					1	Off-line awaiting eccentric reducer	OQ#31721 (12/07/18) OR #31551(12/14/17)		
						2				
						3				
			3	2	66.67%					
4	BARRIGADA					1	Pump #1 secured due to tripping as per John Blas	3/1/2018		
						2				
			2	1	50.00%					
5	BAYSIDE					1				
			1	1	100.00%					
6	TA'I MANGILAO					1				
						2	Seal failure/pump at Washland for rewinding	OQ#31870(01/02/18) OR#31663(01/05/18)		
						3				
			3	2	66.67%					
7	MONGMONG/TOTO					1				
						2				
			2	2	100.00%					
8	PAGO DOUBLE					1	secured & needs to be replaced/**CIP** approved pending final review from finance			
						2				
						3				
			3	2	66.67%					
9	MANGILAO					1	Impeller needed for pump #1	OQ#31892(01/05/18) OR#31765(01/25/18)		
							Pump #1 at JMI for repair (SULZER ABS Ser. No. 001922)	OQ#31890(01/05/18) OR#31686(01/09/18)		
						2	Awaiting eccentric reducers for discharge line / Pump #2 temporary on line #1	OQ#31461(11/01/17) OR#31558(12/15/18)		
			2	1	50.00%					
10	PITI					1	Upon installation of pump found cooling jacket to be leaking and sent back to JMI on 02/20/18(Still under warranty)	2/20/2018		
						2				
			2	1	50.00%					
						1				

11	ASAN					2				
			2	2	100.00%					
12	SINAJANA					1				
						2				
			2	2	100.00%					
13	DAIRY ROAD					1	Pump #1 at Washland for rewinding	?		
						2				
			2	1	50.00%					
14	FADIAN					1				
						2				
			2	2	100.00%					
15	FLORA GARDENS					1				
						2				
			2	2	100.00%					
16	ORDOT					1				
						2	**Pump #2 removed as per John Blas**	**3/1/2018**		
			2	1	50.00%					
17	CHALAN PAGO #5					1	Pump #1 at @Washland for rewinding			
						2				
			2	1	50.00%					
18	COMMERCIAL PORT					1				
						2				
						3				
			3	3	100.00%					
19	CHALAN PAGO #3					1				
						2				
			2	2	100.00%					
20	CABRAS ISLAND					1				
						2				
			2	2	100.00%					
						1				

GUAM WATERWORKS AUTHORITY

WASTEWATER COLLECTION REPORT

MONTHLY REPORT

FEBRUARY 2018



CCTV INSPECTIONS AND SEWER CLEANING

FEB. 01 - FEB. 07	Team #1	Team #2	Vendor	Total
Feet Scheduled	3,267	3267		6,534
Feet Completed	4873			4873
	149.16%	0.00%		75%

FEB. 08 – FEB. 14	Team #1	Team #2	Vendor	Total
Feet Scheduled	3,267	3267		6,534
Feet Completed	4193.9			4193.9
	128%	0%		64%

FEB.15 – FEB 21	Team #1	Team #2	Vendor	Total
Feet Scheduled	3,267	3267		6,534
Feet Completed	10,959.00			10959
	335%	0%		168%

FEB. 22 – FEB. 28	Team #1	Team #2	Vendor	Total
Feet Scheduled	3,267	3267		6,534
Feet Completed	6123			6123
	187%	0%		94%

	January	February	March	April	May	June
CCTV/Jetting	2.86	4.95	0.00	0.00	0.00	0.00

PUMPING STATION TROUBLE CALLS

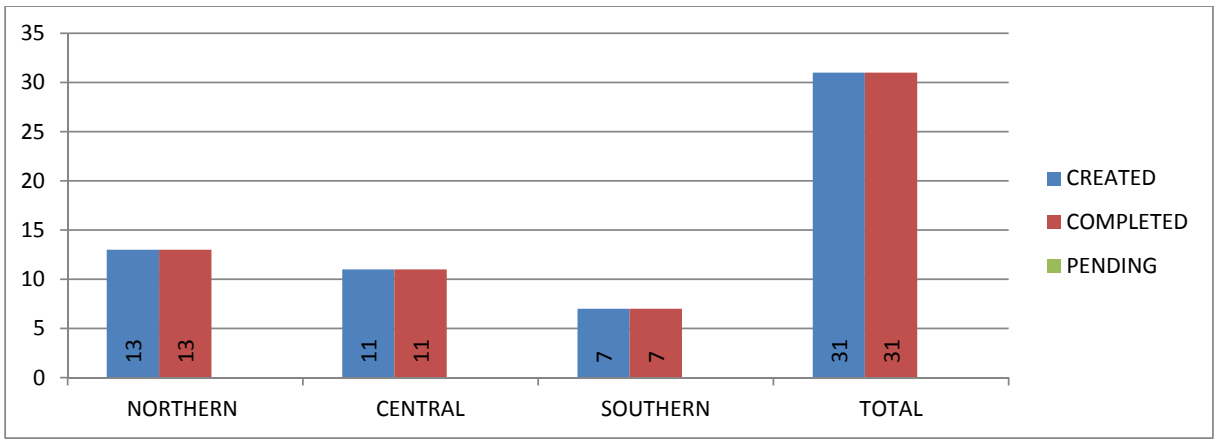
Feb. 01 - Feb. 07	CREATED	COMPLETED	PENDING
NORTHERN	6	6	0
CENTRAL	3	3	0
SOUTHERN	1	1	0
TOTAL	10	10	0

Feb. 08 – Feb. 14	CREATED	COMPLETED	PENDING
NORTHERN	4	4	0
CENTRAL	4	4	0
SOUTHERN	2	2	0
TOTAL	10	10	0

Feb.15 – Feb. 21	CREATED	COMPLETED	PENDING
NORTHERN	1	1	0
CENTRAL	1	1	0
SOUTHERN	3	3	0
TOTAL	5	5	0

Feb. 22 – Feb. 28	CREATED	COMPLETED	PENDING
NORTHERN	2	2	0
CENTRAL	3	3	0
SOUTHERN	1	1	0
TOTAL	6	6	0

	CREATED	COMPLETED	PENDING
NORTHERN	13	13	0
CENTRAL	11	11	0
SOUTHERN	7	7	0
TOTAL	31	31	0



MAINTENANCE PREVENTIVE AND CORRECTIVE CALL OUTS

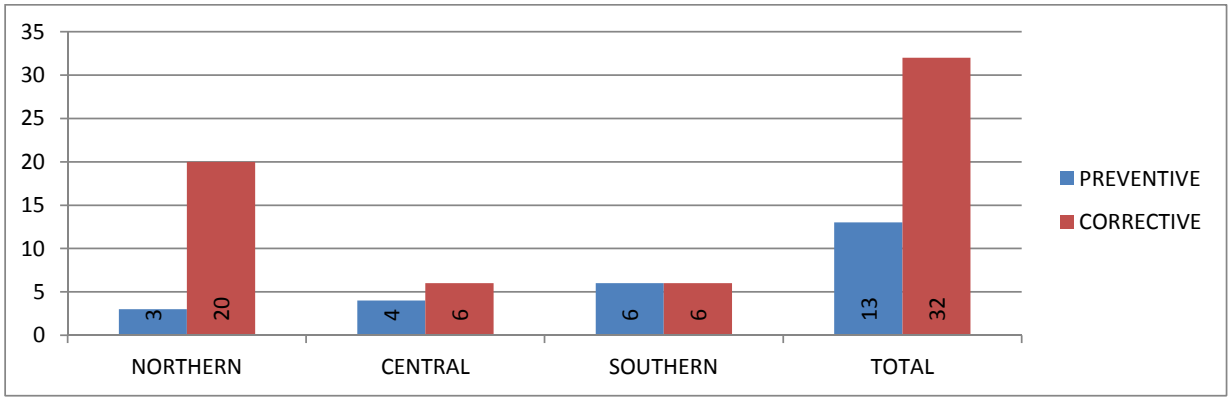
01/29/18 – 02/02/18	PREVENTIVE	CORRECTIVE
NORTHERN	1	5
CENTRAL	0	0
SOUTHERN	0	0
TOTAL	1	5

02/05/18 -02/09/18	PREVENTIVE	CORRECTIVE
NORTHERN	1	5
CENTRAL	4	0
SOUTHERN	0	1
TOTAL	5	6

02/12/18 – 02/16/18	PREVENTIVE	CORRECTIVE
NORTHERN	0	2
CENTRAL	0	0
SOUTHERN	6	2
TOTAL	6	4

02/19/18 – 02/23/18	PREVENTIVE	CORRECTIVE
NORTHERN	1	4
CENTRAL	0	5
SOUTHERN	0	1
TOTAL	1	10

	PREVENTIVE	CORRECTIVE
NORTHERN	3	20
CENTRAL	4	6
SOUTHERN	6	6
TOTAL	13	32



BASE PAY VS OVERTIME

	BASE PAY	OVERTIME	OVERTIME %
PUMPING STATION	$60,320.00	$16,205.59	27%
MAINTENANCE	$31,230.48	$1,377.31	4%
COURT ORDER UNIT	$25,606.40	$9,707.18	38%
TOTALS	$117,156.88	$27,290.08	23%

